

Volume

#

R0262

BOOK A-262

INDEX DIAGRAM.

Township 6 N., Range 3 E.

	43	41	41	40	39	39	
36	6	104	91	83	74	66	1
37	103	102	91	82	73	65	
38	7	101	90	81	73	65	12
19	101	100	89	80	72	64	
18	18	99	88	80	71	63	13
18	98	98	88	79	70	63	
18	10	97	87	78	69	62	24
17	96	95	86	77	69	61	
17	80	94	85	76	68	60	25
17	94	93	84	76	68	60	
17	81	92	83	75	67	59	30
	35	34	33	33	32	31	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

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, Axman.

Subscribed and sworn to before me this _____ }
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Subscribed and sworn to before me this _____ }
day of _____, 189 }



BOOK A-262

INDEX DIAGRAM.

Township 6 N., Range 2 E.

			120	117	118	119
6	5	4	156	3	154	2
			137	136	153	149
7	8	9	135	10	153	148
				134	11	133
			135		133	147
18	17	16		15	14	132
						131
19	20	21		22	23	24
30	29	28		27	26	25
31	32	33		34	35	36

Meanders Page.....

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Subscribed and sworn to before me this }
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....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



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....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-262

INDEX DIAGRAM.

Township 2 or, Range 1 W.

6	5	4	3	2	1
7	8	190 9 189	184 10 187	11	12
18	17	186 16 185	169 15 170 183	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page 191 to 194

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, *Chainman.*

, *Chainman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, *Moundman.*

, *Moundman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, *Axman.*

, *Axman.*

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



INDEX DIAGRAM.

Township S, Range W

6	5	4	3	2	1
217					
217	215		10	11	12
246					
245	216	215			208
244	244	215	10	11	13
243	242	213	213	207	206
242	242	236			228
241	240	235	214	205	205
240	240	234	202	205	227
239	237	233	211	2045	
238	238	233	231	205	
237	237	233	230	205	
236	236	229	229	209	209
235	235	222	222	209	209
234	234	221	221	209	209
233	233	220	220	209	209
232	232	219	219	209	209
231	231	218	218	209	209
230	230	217	217	209	209
229	229	216	216	209	209
228	228	215	215	209	209
227	227	214	214	209	209
226	226	213	213	209	209
225	225	212	212	209	209
224	224	211	211	209	209
223	223	210	210	209	209
222	222	209	209	209	209
221	221	208	208	209	209
220	220	207	207	209	209
219	219	206	206	209	209
218	218	205	205	209	209
217	217	204	204	209	209
216	216	203	203	209	209
215	215	202	202	209	209
214	214	201	201	209	209
213	213	200	200	209	209
212	212	199	199	209	209
211	211	198	198	209	209
210	210	197	197	209	209
209	209	196	196	209	209
208	208	195	195	209	209
207	207	194	194	209	209
206	206	193	193	209	209
205	205	192	192	209	209
204	204	191	191	209	209
203	203	190	190	209	209
202	202	189	189	209	209
201	201	188	188	209	209
200	200	187	187	209	209
199	199	186	186	209	209
198	198	185	185	209	209
197	197	184	184	209	209
196	196	183	183	209	209
195	195	182	182	209	209
194	194	181	181	209	209
193	193	180	180	209	209
192	192	179	179	209	209
191	191	178	178	209	209
190	190	177	177	209	209
189	189	176	176	209	209
188	188	175	175	209	209
187	187	174	174	209	209
186	186	173	173	209	209
185	185	172	172	209	209
184	184	171	171	209	209
183	183	170	170	209	209
182	182	169	169	209	209
181	181	168	168	209	209
180	180	167	167	209	209
179	179	166	166	209	209
178	178	165	165	209	209
177	177	164	164	209	209
176	176	163	163	209	209
175	175	162	162	209	209
174	174	161	161	209	209
173	173	160	160	209	209
172	172	159	159	209	209
171	171	158	158	209	209
170	170	157	157	209	209
169	169	156	156	209	209
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142	142	129	129	209	209
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131	131	118	118	209	209
130	130	117	117	209	209
129	129	116	116	209	209
128	128	115	115	209	209
127	127	114	114	209	209
126	126	113	113	209	209
125	125	112	112	209	209
124	124	111	111	209	209
123	123	110	110	209	209
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119	119	106	106	209	209
118	118	105	105	209	209
117	117	104	104	209	209
116	116	103	103	209	209
115	115	102	102	209	209
114	114	101	101	209	209
113	113	100	100	209	209
112	112	99	99	209	209
111	111	98	98	209	209
110	110	97	97	209	209
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112	112	89	89	209	209
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116	116	83	83	209	209
115	115	82	82	209	209
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113	113	60	60	209	209
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111	111	58	58	209	209
110	110	57	57	209	209
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117	117	44	44	209	209
116	116	43	43	209	209
115	115	42	42	209	209
114	114	41	41	209	209
113	113	40	40	209	209
112	112	39	39	209	209
111	111	38	38	209	209
110	110	37	37	209	209
119	119	36	36	209	209
118	118	35	35	209	209
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116	116	33	33	209	209
115	115	32	32	209	209
114	114	31	31	209	209
113	113	30	30	209	209
112	112	29	29	209	209
111	111	28	28	209	209
110	110	27	27	209	209
119	119	26	26	209	209
118	118	25	25	209	209
117	117	24	24	209	209
116	116	23	23	209	209
115	115	22	22	209	209
114	114	21	21	209	209
113	113	20	20	209	209
112	112	19	19	209	209
111	111	18	18	209	209
110	110	17	17	209	209
119	119	16	16	209	209
118	118	15	15	209	209
117	117	14	14	209	209
116	116	13	13	209	209
115	115	12	12	209	209
114	114	11	11	209	209
113	113	10	10	209	209
112	112	9	9	209	209
111	111</td				

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, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
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BOOK A-262

INDEX DIAGRAM.

Township H S., Range 1 E.

6	5	4	3	286	2	285	1	274
			301					
7	8	9	10		11		12	
308	308	309						
260	18	291	17	288	16	307	15	14
290	289	288	310					13
19	304	20	287	21	306	22		24
303	304	305						
30	29	28		27		26		25
31	32	33		34		35		36

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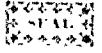
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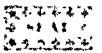
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1900
"Z 19"
4-679.

BOOK A-262

FIELD NOTES

retrocurement
OF THE ~~SURVEY~~ OF THE

West Boundary

o.t.

T.G.N - R 3 E

*of the Salt Lake Base and Meridian,
State of Utah.*

AS SURVEYED BY

*Robert E. David Atkinson, United States Deputy Surveyor,
Under his Contract No. 223, dated January 21, 1899,*

commenced September 25, 1899

completed September 26, 1899

G-161

M. D. LK -

3 - 38-831

Retrocurement W. Policy - 1900

NAMES AND DUTIES OF ASSISTANTS.

J.W. Chase	Chairman
Dorsey Herr.	Chairman
J.W. Dougall	Chairman
Austin Roylance	Chairman
Joseph Bagley	Mountaineer
Leonard Diamond	Mountaineer
Leonard Diamond	Excom
Thos S. Roylance	Excom
Harry Rager	Flagman
Chas C. Fries	Flagman

Supplementary affidavits rec'd by "A"

BOOK A-262

INDEX DIAGRAM.

Township *Range*

1	2	3	4	5	6	7
8	9	10	11	12		
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	32	33
34	35	36	37	38	39	40
41	42	43	44	45	46	47

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Retracement W. bdg T. 6 N. R. 3 E.

Retracement, commenced Sept 25th 1899
and executed with two N. and S. E. Gurley
light mountain transits with solar attach-
ments, for description of which see book of ⁹⁴

We examine the adjustments of the transits
and correct the level and collimation
errors; then to test the solar apparatus
by comparing their indications, made during
A.M. and P.M. hours, with a true meridian
determined by observations on Polaris
we proceed as follows.

At the cor. of Tps 5 and 6 N R. 2nd 3 E
which is a boulder 10x10x10 ins above
ground marked and witness as described
by the Surveyor General latitude
 $41^{\circ}12'$ N longitude $111^{\circ}40' W$ we set off
 $41^{\circ}2' N$ on the lat. arc $1^{\circ}01' S$ on the decl.
arc and at $4^{\circ}09' P.M.$ L.M.T. determine
with the solar of one of the instruments
a true meridian and mark a point there
of on a plug firmly driven in the ground
5.00 chs. N of cor.

With the second instrument placed over
the same initial point we set off $41^{\circ}12' N$
on the lat. arc $1^{\circ}01' S$ on the decl. arc;
and at $5^{\circ}10' P.M.$ L.M.T. we determined with
the solar a true meridian and mark a
point thereof on the plug previously set
5.00 chs N of cor. This point fall 0.10 ins east
of that of the first instrument.

At $7^{\text{th}} 09^{\text{th}}$ P.M. L.M.T. we observe Polaris at
eastern elongation with the first instrument
in accordance with the manual of instructions
and mark a point on the true line thus
determined on a plug driven in the ground
5.00 chs. N of our station

Sept 25 1899

DOOK A 202
Retracement of W. Bay To N. R. S.C. Continued

Sept. 26 1899 at $6^{\text{h}} 0^{\text{m}}$ A.M. first we lay off the azimuth of Polaris $1^{\circ} 38'$ to the west and mark the true meridian thus determined with the first instrument by a tack driven in the stake set Sept. 25 1899 on which the true meridian falls 0.2 ins E of the mark determined by the solar of the first instrument and 0.5 ins east of that of the second instrument.

At $8^{\text{h}} 0^{\text{m}}$ A.M. l.m.t. we set off $41^{\circ} 12' N$ on the lat. arc; $1^{\circ} 17' S$. on the decl. arc of the first instrument and mark a point on the true meridian thus determined with the solar by a pencil mark on the stake already set 5.00 chs N of our station; this mark falls 0.1 ins. E. of the true meridian established by Polaris observation.

At $8^{\text{h}} 10^{\text{m}}$ A.M. l.m.t. we set off $41^{\circ} 12' N$ on the lat. arc; $1^{\circ} 17' S$. on the decl. arc of the second instrument and mark a point on the true meridian thus determined with the solar by a notch cut in the stake, already set 5.00 chs N. of our station; this mark falls 0.1 ins N of the true meridian established by the Polaris observations.

The solar apparatus by P.M. and A.M. observations define positions of true meridian respectively about 0.11° W and 0.5° E of the true meridian established by the Polaris observation of the first instrument and 0.3° W and 0.5° W of the same with the second instrument therefore we conclude that the adjustments are satisfactory.

The magnetic bearing of the true meridian at $8^{\text{h}} 20^{\text{m}}$ $N 17^{\circ} 20' W$ the angle thus determined reduced by the table page 100 gives the mean mag. decl $17^{\circ} 1.7' E$.

Retracement of W. bdy. T6 N, R 3 E Continued

Preliminary to the survey of the fractional West boundary of T6 N, R, 3 E. we commence at the cor. of Tps 6 N Rs 2nd & 3 E heretofore described, and sight over the true meridian established by Polaris observation

Thence we run

North on retracement line bet secs.
31 and 36 descend

5.00 Wagon road bears N 8° E

28.25 Bottom of sheep herd canon drains W.
ascend

40.09 Fall 6 lks E of old 1/4 sec cor which is a boulder 10x7x14 ins above ground marked as described by the Surveyor General but with no witness points; we build a mound of stone 2 ft base 1 1/2 ft high W of cor. Pts impracticable

48.25 Point of spur projects 8 2/3'w descend

55.25 Bottom of draw drains 8 2/3'w ascend

80.29 Fall 19 lks E of cor to secs. 2 5, 3, 31 and 36 which is a Quartzite boulder 10x7x8 ins above ground marked as described by the Surveyor General but with no witness points; we raise a mound of stone 2 ft base 1 1/2 ft high W of cor

Pts impracticable

The course of this line is therefore as N 0° 08' N
land mountainous

Soil gravelly 3rd rate

No timber

Mountainous land on 80.29 chs

North on retracement line bet sec 25 and 30
ascend

2500 Top of ridge bears N E and S W descend

3972 Fall 11 lks E of old 1/4 sec cor which is a boulder 10x6x6 ins above ground marked

Book 1, page 2

Retracement of W. bdy T. 6 M. R. 3 E. Continued

	and witnessed as described by the Surveyor General descend Bottom of gulch drains N.W. ascend Spur projects W. descend Draw drains W.W. ascend Tall 14 lbs E of old cor. of secs 19, 24, 25 and 30 which is a granite 6x6x12 ins above ground marked as described by the Surveyor General but with no witness points: we raise a mound of stone 2 ft base 1 1/2 ft high W of cor Pts impracticable The course of this line is therefore 80° S.W. Land mountainous Soil rocky & rate No timber Mountainous land 78. 94 chs.
--	--

	From old cor. of secs 19, 24, 25 and 30 we run North on retracement line bet secs 19 and 24 ascend Top of spur projects W. descend Gully drains $N 80^{\circ} W$ ascend Top of ridge bears E and W descend Intersect old 1/4 sec cor which is a boulder 8x6x10 ins above ground marked as described by the Surveyor General, but with no witness points, we raise a mound of stone 2 ft base 1 1/2 ft high W of cor Pts impracticable descend Enter dense under brush and scrub aspens Bottom of Ravine drains $N 30^{\circ} W$ ascend Leave aspens bearing N.W. and S.E. Top of spur projects N.W. descend Tall 7 lbs E of old cor. of secs 13, 18, 19 and 24 which is a boulder 6x6x4 ins above ground
--	---

Retracement of W. bdy. T6 N. R. 3 E. - continued
Chs.

marked and witnessed as described by
the Surveyor General.
Therefore the course of this line is N $0^{\circ}5'W$.
Land mountainous.
Soil rocky 3rd and 4th rates
Timber scrub aspens 11.00 chs.
Mountainous land on 7.9 5.7 chs.

From old cor. of secs. 13, 18, 19 and 24
we run
North on retracement line bet. secs. 13 and 18.
Ascend

5.00 Top of small spur projects N.W. Descend
10.00 Head of draw drains N. Ascend.
29.00 Top of ridge bears N $25^{\circ}W$ and S $25^{\circ}E$.
Descend
- 40.0 Fall 1 lks. N. of old 1/4 sec. cor. which is a
boulders 10x8x6 ins above ground marked
and witnessed as described by the Surveyor
General

The course of this line is therefore
N $0^{\circ}1'E$.

Land mountainous

Soil rocky 1/2th rate
No timber

Mountainous land on 40.03 chs.

Sept. 26, 1899.

For general description see notes of
subdivisions of this township.

Franklin E. Battie
David A. Blossom
U.S. Ass't Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
....., United States Deputy Surveyor, in surveying all
those parts or portions of the

of the

..... meridian, of which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

scribed and sworn to before me this
day of , 180 }
{



Pop 20-23
J. S. Clark

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

_____ of the
meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

████████
O SEAL O
████████

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8th 1890, 1890

*Reliance of the West Boundary of Sanpete,
Utah, Range 3 East of the Salt Lake Base Line, in
Utah.*

executed by *Jacob T. Batey, Jr. and David N. Morrison*
under his contract No. *1890*, dated *October 8th 1890*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob T. Batey

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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"Z²⁰"
4-679.

BOOK A-262

FIELD NOTES

OF THE SURVEY OF THE

S-W-N and E

Boundaries

of

TQN-R 3 F

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

E. Boxter by David H. Blasius, United States Deputy Surveyor,
this Under his Contract No. 223, dated January 21 - 1897
Survey commenced September 28, 1897
Survey completed October 1, 1897

6-151

		M. Sto. 62-
S.	Bright	6-09-00 ✓
"	dimin.	16-22 ✓
W.	bright	2-05-31 ✓
"	dimin.	1-58 ✓
N.	bright	6-09-57 ✓
E.	bright	5-73.48 ✓ 25-27.36

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase.	Chairman.
Dorsey Herr.	Chairman.
J. H. Dougall.	Chairman.
Austin Roylance.	Chairman.
Joseph Bagley.	Moratorium.
Leonard Diamond.	Moratorium.
Leonard Diamond.	Examiner.
Thos. A. Roylance.	Examiner.
Harry Rager.	Flagman.
Chas. C. Priest.	Flagman.

Injunctionary affidavit, vol. 1, p. 10.

BOOK A-262

INDEX DIAGRAM.

Township....., Range.....

6	6	6	8	9	1
7	8	9	10	11	12
16	17	16	15	14	13
19	20	21	22	23	24
26	29	24	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



South boundary of T6 N. R15 E.

Chains

Survey commenced September 28, 1899; and executed with two V. and S. E. light mountain transits with solar attachments for a description of which see book.

$\frac{7}{4}^{\text{th}}$ Also for test of solar apparatus.

See retracement of W. bdy. of this Tp. Book $\frac{7}{4}$ Sept. 28, 1899; At $8^{\text{h}} 00^{\text{m}}$ A.M. L.M.T., was set off $41^{\circ} 13' N$ on the lat. arc; $2^{\circ} 04' S.$ on the decl. arc; and determined a true meridian with the solar at the cor. to Tps. 5 and 6 N. Rs. 2 and 3 E. heretofore described.

Hence we run

East on a random line along the S. bdy. of Tp. 6 N. R3 E. setting tempo and dec. cor. at intervals of 110.00 chs.; and at 489.00 chains intersect range line bet. Range 3 and 4 E 16. 32 chs. N. of the cor. of Tps. 5 and 6 N. Rs. 3 and 4 E which is a boulder $12 \times 12 \times 6$ ins above ground.

Marked and witnessed as heretofore

described, from which, 108. obliterate all all marks pertaining to Tps. 5 and 6 N. R3 E. and at the intersection set a b. alder $18 \times 8 \times 6$ ins. 12 inches in ground for cor. to Tps. 5 and 6 N. R3 E. marked C.C. 3 E. on N. E. on N. and S. faces; with 6 grooves on the N. S. and W. faces; and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pit impracticable.

Hence we run

East on true line bet. Secs. 1 and 36 ascend gradually

Enter defens

10.00 Top of low ridge bears N and S.

Leave defens

11.00 Ascend gradually

14.00 Set a boulder $14 \times 10 \times 7$ ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. faces; and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pit impracticable.

Descend abruptly.

15.00 Top of ridge bears N and S; also enter

South boundary of T6 M. R3 E. - Continued

Chs.

	scrub aspens. Descend Set a boulder 18x10x6 ins. 12 ins. in ground for cor. of secs. 1, 2, 35 and 36 marked with 1 notch on the E. and 5 notches on N. edges; and raised ground of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable Sand mountainous Soil gravelly 3rd and 4th rates Timber Aspen 9.00 chs. Mountainous land 80.00 chs. At the noon hour the sun was covered and solar observations were impossible.
--	---

West on true line bet. secs. 2 and 35-

Descend.

5.00	Enter aspen timber.
26.00	Bottom of gully drains N. W. also spring branch 2 lks. wide drains same. Descend.
35.00	Top of spur projects N. W. Descend.
40.00	Set a sand stone boulder 14x14x8 ins 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 6 ins. diam. bears 1:31° E., 79 lks. dist. marked 1/4 S. 35 B. T. An aspen 9 ins. diam. bears 86 9/4° E. 22 lks. lk. dist. marked 1/4 S. 2 B. T.
48.00	Leave Aspen timber bears 32 E. and 8.07.
50.00	Set a boulder 13x8x6 ins. 9 ins. in ground for cor. of secs. 2, 3, 34 and 35 marked with 2 notches on the E. and 4 notches on N. edges; and raised a mound of stone 2 ft. 6 ins. 1 1/2 ft. high N. of cor. Pits impracticable. Sand mountainous Soil gravelly 3rd rate Timber Aspen 43.00 chs. Mountainous land undergrowth 80.00 chs.

South bdg. T. 6 N. R. 3 E. - continued.

Signed

	Sept. 28, 1899; Oct. 4 th 10 ^m P.M. from S. we set off 41° 12' S. on the lat. arc; 2° 12' S. on the decl. arc. and determine the true meridian at the cor. to secs. 33, 34 and 35. Hence we run West lat. secs. 3 and 34. Descend
3.00	Bottom of forks of Cottonwood Canon drains S. W. also creek 5 lks. wide drains same
4.00	Old wood road bears N. and S. W. Ascend
58.00	End of spur, slopes S.
40.00	Set a boulder 16 x 12 x 6 ins. 11 ins. in ground for cor. of sec. 30. marked 44 on N. face; and raised mound of stone 2 ft. base 14 ft. high N. of cor. Pit impracticable. Descend.
67.00	Bottom of draw drains S. E. Ascend
75.00	Enter aspen timber
80.00	Set a boulder 20 x 17 x 10 ins. 15 ins. in ground for cor. of secs. 3, 4, 33 and 34. marked with 3 notches on E. and W. edges, from which an aspen 10 ins. diam. bears 81 34 1/2 E. 17 lks. dist. marked T 6 N. R. 3 E. S. 34 B. T.
	An aspen 11 ins. diam. bears 81 1/2 E. 143 lks. dist. marked T 5 N. R. 3 E. S. 3 B. T.
	An aspen 6 ins. diam. bears 880 1/2 W. 147 lks. dist. marked T 5 N. R. 3 E. S. 4 B. T.
	An aspen 10 ins. diam. bears 6 1/4 N. 58 lks. dist. marked T 6 N. R. 3 E. S. 33 B. T.
	and mountainous
	Soil gravelly. 3 rd rate.
	Timber aspen 5.00 chs.
	Mountainous land 8000 chs
	Sept. 28, 1899.

West lat. secs. 4 and 33

Ascend through aspen timber.

15.00	Leave aspen timber bears N. W. and S. E.
29.00	Top of ridge bears N. and S. Descend.
35.00	Enter aspens timber

South bdy. T 6 N. R 3 E. - continued
chains

40.00 Set a boulder 16x12x10 ins. 11 ins. in ground
for 14 sec. cor. marked 14 on N. face; from which
An aspen 7 ins. diam. bears N 64° W. 66 lbs. dist.
marked 14 S 63 B.T.

On aspen 5 ins. diam. bears S 47° W. 29 lbs. dist.
marked 14 S. 4 B.T. Descend.

144.00 Seave aspen timber.

50.00 Head of hollow drains S. Ascend.

80.00 Top of ridge bears N and S.
Set a boulder 18x10x8 ins. 12 ins. in ground
for cor. of secs. 4, 5, 32 and 33. marked with 4
notches on E. and 2 notches on N. edges; and
raised mound of stone 2 ft. base 1 1/2 ft.
high N. of cor. Pit impracticable.

Sand mountainous
Soil gravelly and rocky 500 and 14 ft. water.
Timber aspen 24 chs.
Mountainous land ~~and~~ undergrowth 8000 acs.

South bdy. of T6 N. R3 E. - continued

chains

A pine 6 ins. diam. bears N 52° W. 0.3 lbs. dist.
marked T6 N. R3 E. S. 31 R.T.
land mountainous.
Soil rocky 1st rate
Timber pine 6.00 chs.
Mountainous land 80.00 chs.

Next lat. secs. 6 and 31.

Ascend through pine timber.

7.00 Leave pine timber.

10.00 Top of spur projects N.W. Descend.

40.00 Set a boulder 15x13x6 ins. in ground
for 14 sec. con. marked 14 on N. face; and
raised mound of stone 2 ft. base 1 ft.
high N. of con. Pilot impracticable.

45.50 Bottom of hollow drains N.W. thence along
low foot hills sloping N.

59.00 Thru con. of Twp. 5 and 6 N. R. 2 and 3 E. heretofore
described.

land mountainous.

Soil gravelly 2nd and 1st rates.

Timber pine on rocks.

Mountainous land on 89.00 chs.

Fractional N. boundary T. 6 N. R. 3 E.
Chain

- From the 1/4 sec. cor. bat. Secs. 13 and 18 on the N. bdy. of T. 6 N. R. 3 E. which is a quartzite stone 5x10x8 ins. above ground, marked and witnessed as described by the Surveyor General.
- Then run
North on random line along N. bdy. of Tp. setting traps 1/4 sec. and sec. cor. at intervals of 40.00 chains; and at 195.31 chs. fall 1.58 chs. E. of the cor. of Tps. 6 and 7 N. R. 2 and 3 E. which is a sand stone 8x12x8 ins. above ground, marked and witnessed as described by the Surveyor General.
Set a gray sand stone 18x12x8 ins. 12 ins. in the ground for closing cor. T. 6 N. R. 2 and 3 E. marked C.C. 6 N. on S. 3 E. on E. and 2 E. on W. faces; with 6 grooves on S. E. and W. faces; and raise mound of stone 2 ft. base 1/4 ft. high S. of cor. Pits impracticable.
- Thence no run
S. on true line bet. secs. 1 and 6.
Over ascending land along E. slope.
- 12.20 Spur 100 ft. above closing Tp. cor. projects E.
Descend.
- 15.75 Ravine 60 ft. below spur drains E. Ascend.
- 22.25 Spur 100 ft. above ravine projects E.
Descend.
- 29.25 Draw 70 ft. below spur drains E. Ascend.
- 36.25 Spur 100 ft. above draw projects E. Descend
- 35.31 Set a gray sand stone 16x12x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, and raise mound of stone 2 ft. base 1/4 ft. high N. of cor. Pits impracticable
- 41.25 Bottom of draw 100 ft. below spur drains S 60° E. Thence continue descending gently along steep E. slope.
- 75.31 Set a gray quartzite 14x14x10 ins. 9 ins. in ground for cor. of Tps. 16, 7 and 12, marked with 1 notch on W. and 3 notches on S. edges. and raise mound of stone 2 ft. base

Fractional Meridians, No. N. R. S.E. - continued

chains

114. ft. high W. of cor. Pits impracticable.
Land mountainous.

Soil very stony 11th rate
No timber

Mountainous land 75.31 chs.

Sept. 29. 1899: At this cor. we set off 2.32 S. on the decl. arc; and at 12⁰⁰^{ft} M. h.m.t. observe the sun on the meridian: the resulting lat. is 41° 16' N.

S. on true line bet. secos. 7 and 12.

Over descending land.

1.00 Steeper steep descent on S.E. slope.

6.00 Bottom of draw 100 ft. below sec. cor. drains E. Ascend.

10.00 Spur 40 ft. above draw projects E. Descend.
Olagon road bears N. 60° E. and S. 60° W.

33.10 S. Fork of Ogdon river banks. wide 114 ft.
deep, also bottom of cañon drains S. 60° W.
Abrupt ascent.

39.00 Top of sharp rocky spur 150 ft. above river
projects N.

40.00 The point for 1/4 sec. cor. falls on rock
in place 4 ft. square - 1 ft. above ground
on which we
cut a cross (X) at exact cor. point for 1/4 sec.
cor. marked 1/4 on N. side of cross, and raise
rounded stone 3 ft. base 114 ft. high. Hdg.
cor. Pits impracticable.

41.50 Ogdon road bears N. W. and S. E.

43.00 Bottom of Magnific Cañon 150 ft. below
spur drains N. W. Abrupt ascent.

57.00 Top of spur 300 ft. above cañon pro-
jects N. E. Thence along steep E. slope
through oak and maple undergrowth.

80.00 Set a gray sand stone 14 x 14 x 6 ins. 9 ins. in
ground for cor. of secos. 7, 12, 13 and 18, marked
with 2 notches on the N. and 4 notches on S.

Fractional N. 5dy, T6 R. 3 E - continued.

Chs.

edges; and raised mound of straw 2 ft. base
1/4 ft. high. It. of cor. Pits impracticable.
Sand mountainous
Soil stony & rd. rate.
No timber
Mountainous land 80.00 chs.

S. on true line bet. secs. 13 and 18.
Along steep E. slope, through oak and maple
underbrush.

14.00 Swale on E. slope Ascend
40.00 Thru 1/4 sec. cor. bet. secs. 13 and 18. Incotop described
Sand mountainous.
Soil gravelly & rd. rate.
No timber
Mountainous land ~~and~~ und. grass with 4000 chs.

Sept. 17 1893.

North boundary T6. N. R 3 E.

Chs.

Sept. 30. 1899: At 8th 00^m A.M. limits we set off 41° 17' N. on lat. arc 12° 51' S. on the decl. arc; and determine the true meridian with the solar, at the closing cor. of T6 N. R. 3rd 3 E. Then we run

E. on a random line along the N. bdy. of T6 N. R 3 E. setting time, 1/4 sec. and sec. cor. at intervals of 40.00 chs. and at 489.57 chs. intersect Range line bet. R. 3rd 4 E. 48 lches. N of the cor. of Tps. 6 and 7 N. R. 3 and 4 E.

Then we run

W 89° 5' 7" N. on a true line bet. secs 1 and 36. Over steep descending land.

15.50 Foot of abrupt descent 225 ft. below tp. cor. then gentler descent along S. slope

40.00 Set a gray quartzite stone 16x8x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

58.50 Steep descent on S. W. slope

80.00 Set a gray sand stone 12x10x6 ins. 8 ins. in ground for cor. of secs. 1, 2, 35 and 36. marked with 1 notch on E. and 5 notches on W. edges; and raise mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Land mountainous. Soil rocky, 4th rate.

No timber

Mountainous land on 80.00 chs.

W 89° 5' 7" W. on a true line bet. secs. 2 and 3.5. Over descending land.

4.00 Precipitous descent.

11.00 Bottom of box canon 300 ft. below sec. cor. Creek 15 lches. wide 6 ins. deep drains N 13° W. Abrupt Ascent.

26.50 S. in 350 ft. above creek projects N. Descend. 30.50 avins 75 ft. below spur, drains N. Ascent.

DRAFT

North boundary of T. 6. N. R. 3. E., - continued.

chains

40.00	Set a gray quartzite stone 18x9x7 ins. 12 ins. in ground for 1/4 sec. cor. marked 14 on N. face and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
54.50	Spur 200 ft. above ravine projects N. Descend.
80.00	Set a gray quartzite stone 18x11x9 ins. 12 ins. in ground for cor. of secs. 2, 3, 34 and 35, marked with 2 notches on E. and 11 notches on W. edges, and raise mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
	Sand mountainous
	Soil rocky with pebbles
	No timber
	Mountainous land, undergrowth 80.00 chs.

	189° 57' 0". on a true line bet. secs. 3 and 34.
	Over descending land
1.50	Bottom of skull back canon 550 ft. below last spur, drains N. Ascend
4.20	Hagon road bears N and S.
16.50	Spur 300 ft. above canon, projects N. Descend
27.00	Ravine 200 ft. below spur, drains N.
	Ascend.
40.00	Set a gray sand stone 12x10x6 ins. 8 ins. in ground for 1/4 sec. cor. marked 14 on N. face and raised mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
52.50	Thence along N. slope 250 ft. above ravine.
65.00	Thence descend on steep W. slope.
73.00	Ravine 100 ft. below change of slope, drains N. Ascend.
80.00	Set a red sand stone 10x12x5 ins. 15 ins. in ground for cor. of secs. 3, 4, 33 and 34, marked with 3 notches on the E. and W. edges, and

North boundary of T6N R3E - Continued.

raise mound stone 2 ft. base 1½ ft. high
W. of cor. Pits impracticable
Sand mountainous
Soil gravelly and rocky 4th rate.
No timber
Mountainous land 80.00 chs.

- 11.89° 57' W. on a true line bet. secs. 4 and 5.
Over steep Ascending land.
10.00 Spur 100 ft. above ravine projects N.
Descend.
17.50 Ravine 200 ft. below spur, drains N. Ascend.
24.50 Spur 175 ft. above ravine, projects N.
Descend.
40.00 Set a gray conglomerate 30×14×7 ins. 22 ins.
in ground for ¼ sec. cor. marked ¼ on
N. face; and raised mound of stone 2 ft.
base 1½ ft. high W. of cor. Pits impracticable.
57.50 Bottom of steep descent 400 ft. below spur.
Thence nearly level along bottom of cañon,
also enter dense willow undergrowth brns.
N 60° E. and S 60° W.
80.00 Set a boulder 14×10×8 ins. 9 ins. in ground
for cor. of secs. 4, 5, 32 and 33. marked with
2 notches on W. and 4 notches on E. edges, and
raise mound stone 2 ft. base 1½ ft. high
W. of cor. Pits impracticable.
Sand mountainous.
Soil rocky 4th rate
No timber
Mountainous land ~~under~~ undergrowth 80.00 chs.

11.89° 57' W. on true line bet. secs. 3 and 5.
Over very slight descent along bottom
of cañon, through dense willow under-

North bdy. 96. N. R. & E. - Cont'd
ch.

	growth.
21.70	S. Fork of Ogden River 60 lks. wide 11/2 ft. deep. flows S. 70° W. Farr Bros. log cabin 50 lks. N. and S. by 25 lks. E and W. on line.
30.50	
40.00	Set a gray quartzite 14x10x8 ins. 9 ins. in ground for 14 sec. cor. marked 14 on N face; and raise mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits imprac- ticable.
51.00	Leaves, willows bear N. E. and S. W. also ascend from river bottom.
57.25	Wagon road bears N. E. and S. W.
80.00	Set a gray quartzite 16x10x6 ins. 11 ins. in ground for cor. of sec. 5, 6, 31 and 32. marked with 1 notch on S. and 5 notches on E. edges; and raise mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Sand mountainous. Soil loam and gravelly 2 nd and 3 rd rates No timber Mountainous land and undergrowth 8000 lks.
	N. 89° 5' W. on true line bet. secs. 6 and 31. Over ascending land.
7.6.0	Spur 175 ft. above river bottom, projects S. Descend.
12.50	Ravine 60 ft. below spur drains S. Ascend
34.50	Spur 200 ft. above ravine projects S. Descend.
40.00	Set a gray quartzite 16x12x8 ins. 11 ins. in ground for 14 sec. cor. marked 14 on N face; and raise mound of stone 2 ft. base 1 1/2 ft. high N. of C. Pits impracticable.
45.00	Ravine 75 ft. below spur, drains S.

North bdy. T6 N. R 3 E. continued

chos.

	Ascend
53.50	Spur 75 ft. above ravine, projects S.
	Descend
63.50	Ravine 125 ft. below spur drains S.
	Ascend.
70.00	Wagon road bears S and S.
89.57	Then closing cor. of Tps 6 N. R 3 E but type described Sand mountainous Soil rocky 3 rd rate. No timber Mountainous land the undergrowth 89.57 chos.

Volume

#

R0262

Oct. 1st, 1899: At 8⁰⁰ A.M. L.M.T. we set off
41° 12' N. on the lat. arc. 3° 14' S. on the decl. arc.
and determine a true meridian with
the solar at the closing cor. of Twp. 5 and R. 3 E.

		North along E. bdy. of sec. 36
		Ascend
12.80		Enter timber
23.78		Intersect 1/4 sec. cor. heretofore described destroy all marks pertaining to R. 3 E.
32.00		Top of low ridge bears E and N. Descend.
40.00		Set a boulder 13 x 7 x 6 ins. 9 ms. in ground for 1/4 sec. cor. marked 1/4 on N. face from which An aspen 4 ins. diam. bears S 36° W. 37 lbs. dist marked 1/4 B. 36 B. T.
		An aspen 4 ins. diam. bears N 67° E. 23 lbs. dist marked 1/4 B. 31 B. T.
56.00		Leave timber
63.78		Intersect cor. of secs. 30 and 31, heretofore de- scribed and destroy all marks pertaining to R. 3 E., build mound on E.
64.00		Ascend gently.
80.00		Set a boulder 18 x 12 x 4 ins. 12 ins. in ground for cor. of secs. 25 and 36, Twp. 5 R. 3 E. marked with 1 notch on S. and 5 notches on N. edges; and raised mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
		Land snow-covered
		Soil stony and poor
		Timber on 40.20 chs.
		Mountainous land 8.00 o. chs.
		North on E. bdy. of sec. 25
		Ascend gently
23.78		Intersect 1/4 sec. cor. heretofore de- scribed, destroy all marks pertaining to R. 3 E.

East bdy. T6. N.R. 3 sec. Continued.

cho.

24.00	Descend
27.00	Swale drains Wt. Ascend
40.00	Set a boulder 14x10x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on Wt. face; from which An aspen 6 ins. diam. bears S 76° W, 35 lbs. dish marked 4/4 S. 25 D.T. also raise mound of stone 1 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Enter scrub aspens.
42.00	Top of spur projects S 60° W. Descend.
44.00	Leave scrub aspens
53.00	Swale drains S.W. Ascend
63.78	Intersect cor. of secs. 19 and 30. heretofore described, destroy all marks pertaining to R3. Raise mound on E.
80.00	Set a boulder 18x6x8 ins. 11 ins. in ground for cor. of secs. 24 and 25 marked with 2 notches on S and 4 notches on N. Edges; and raise mound stone 1 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous Soil stony 3 rd rate Timber scrub aspens on 4.00 cho. Mountainous land below undergrowth 8.000 acs.

North on E. bdy. sec. 24

Ascend gradually.

4.80	Ragged road bears E and W.
10.00	Top of ridge or summit bears E and W. Descend.
19.00	Enter pine and aspen timber
23.78	Intersect 1/4 sec cor. heretofore described, destroy all marks pertaining to R3. E
40.00	Set a boulder 14x12x8 ins. 9 ins. in ground - 1/4 sec. cor. marked 1/4 on Wt. face; from which A pine 6 ins. diam. bears N 66° W, 179 lbs. dis.

East bdy 76 N. R. 3 E. Cont'd.

Ch.

	marked 14 S. 24 S.T.
	6 in. as from 8 ins. diam. base 876° E. 27.6 k.s. dist
	marked 14 S. 19 S.T.
43.00	Bottom of ravine drains 910° N. Ascend
46.00	Spur projects 920° N. Descend.
55.00	Ravine drains 910° E.
63.78	Intersect cor of secs. 18 and 19. Here, therefore described, destroy all marks pertaining to R. 3. Erase mound stone E. of cor.
70.00	Bottom of gully drains 91 E. Ascend.
75.00	Top of spur projects 91 E. Descend.
80.00	Set a boulder 18 x 12 x 6 ins. 13 ins. in ground for cor of secs. 13 and 14 marked with 3 notches on the N. and S. edges; and raise mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable, land mountainous Soil gravelly 3rd rate Timber none Mountainous land 80.00 chs

North on E. bdy, sec 13.

Descend

13.00	Small hollow drains E. Ascend
15.00	End of spur projects E. Descend
23.78	Intersect 1/4 sec. cor. Therefore described destroy all marks pertaining to R. 3. E.
	Bottom of ravine drains in water easier Coltwood timber. Ascend
40.00	Set a boulder 14 x 12 x 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 14 on N. face, and raise mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable.
46.00	Top of spur projects 91.0 N. Descend.
55.00	Enter scrub Ospans.
63.78	Intersect cor of secs. 7 and 18 R. 4 E. Therefore described, destroy all marks pertaining

East bdy. 46 N. R 3 E. Continued.

ch.

	To R. J. E. Moore mound E. of cor.
65.00	Hollow drains W. Ascend
68.00	Saw spur projects W. Descend.
72.00	Leave scrub aspens
73.00	Hollow drains W. Ascend
79.00	Spur projects W. Descend
80.00	Set a boulder 19x7x6 ins. 14 ins. in ground for cor of secs. 12 and 13 R 3 E. marked with 2 notches on the N and 4 notches on S. edges and raised mound stone 2 ft. base 1 1/4 ft. high W. of cor. Pits impracticable.
	Sand mountainous
	Soil gravelly 3rd rate
	Timber scrub aspens spruce
	Mountainous land 80.00 ch.
Oct. 1st 1899.	At this cor. we set off 3° 19' S on the decl. arc. and at 12 ^h 00 ^m M. l. m. t. observe the sun on the meridian the resulting lat. is 41° 15' N.

North on E. bdy. sec. 12.

Descend.

1.00	Draw drains W. Ascend.
18.00	Top of divide bears N 10° W. and S 10° E. Descend.
22.60	Center Aspin timber bears. N. W. and S. E.
23.78	Intersect the 1/4 sec. cor. hantaforn de- scribed, destroy all marks pertain- ing to range 3. E.
27.00	Hollow drains E. Ascend.
30.00	Leave Aspin timber
34.00	Spur slopes E.
40.00	Set a sand stone 14x10x4 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face and raised mound stone 2 ft. base 1 1/4 ft. high W. of cor. Pits impracticable.
43.23	Top of ridge bears N. E. and S. W. Descend

Chs.

East bdy. Pl. H. R. 3 E. Continued.

52.00	Enter scrub aspens and dense under brush.
63.78	Intersect the cor. of secs. 6 and 7, here before described, destroy all marks pertaining to R.G.E.
75.00	Leave scrub aspens
78.50	Gully drains N.E. Ascend.
80.00	Set a sand stone 14X7X6 ins. 9 ins. in ground for cor. of secs. 1 and 12, marked with 1 notch on N. and 5 notches on S. edges; and raised mound stone 2 ft. base 1½ ft. high at. of cor. Pts. impracticable.
	Sand mountainous
	Soil stony 3rd rate
	Timber Aspens on 30.40 chs.
	Mountainous land, undergrowth 80.00 chs.

North on E. bdy. sec. 1.

Ascend through oak brush.

9.50	Top of spur projects N.E. Descend abruptly.
11.00	Enter scattering pines.
17.00	Bottom main cañon drains N 80° W. also creek 15 lks. wide drains same. Ascend abruptly over ledges.
	Leave scattering pines.
23.78	The 1/4 sec. cor. heretofore described, destroy all marks pertaining to range G.E.
44.00	Set a lime stone 18X11X4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on Pt. face; and raised mound stone 2 ft. base 1½ ft. high at. of cor. Pts. impracticable.
46.00	Head of draw drains S.W. Ascend
73.18	The cor. of Tps. 6 and 7 N. R.s. 3 and 4 E.

East bdy. 16 N. R. E. Continues.

Land mountainous

oil gravelly 3rd rate

Timber fine on 600' lots.

Mountainous land under growth 73.48 chs.

Oct 1, 1899

For general description see notes of subdivisions of this township.

Latitudes, Departures and Closing Errors.

e Designated.	Bearing	Dist	Latitudes		Departures	
			N	S	E	W
		s	chgs	chgs	chgs	chgs
+ Bdy T6N-R3E	N 0° 08' W	80.29	80.29		.19	
" " "	N 0° 06' W	78.94	78.94		.14	
" " "	N 0° 03' W	79.57	79.57		.07	
" " "	N 0° 01' E	40.03	40.03	.01		
" " "	North	195.31	195.31			
dy T6N-R3E	S 89° 57' E	489.57		.43	489.5	
y T6N-R3E	South	473.48		473.4		
y T6N-R3E	West	489.00			489.00	
ergency.					63	
			474.14	473.91	490.21	489.40
			31			
					489.40	
or in lot				.23	Error in dat	.81

Frank E. Doctie
David A. Blossom
U.S. Army Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

list of the names of the individuals employed by Frederick C. Baxter and David A. Blodgett, United States Deputy Surveyors to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

the Salt Lake Base and Meridian, Utah, and the respective capacities in which they acted namely, T. S. R. G. E.; N. R. G. E.; W. R. G. E.; N. and W. Bdys. T. 1 S. R. G. E.; W. Bdy. T. 1 N. R. G. E.; N. Bdy. T. 5 N. R. 5 E.; W. Bdy. T. 5 N. R. G. E.; N. Bdy. T. 5 N. R. 5 E.; N. Bdy. T. 6 N. R. 5 E.; N. and W. Bdys. T. 5 N. R. 4 E.; N. and W. Bdys. T. 6 N. R. 4 E.; S. W. N. and E. Bdys. T. 6 N. R. 3 E.

for the Salt Lake Base and Meridian, Utah.

George Heel, Levi Cottier, John Pearce, Chainman.

Joseph Bagley, Moundman.

Harold Diamond, Moundman.

Leonard Diamond, Axman.

Thos. S. Roylance, Axman.

Harry Rager, Chas. C. Fries, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frederick C. Baxter and David A. Blodgett, United States Deputy Surveyor, in surveying all

those parts or portions of the

and E. Bdys. T. 1 S. R. G. E.; W. Bdy. T. 1 N. R. G. E.; N. Bdy. T. 5 N. R. 5 E.; W. Bdy. T. 5 N. R. G. E.; N. Bdy. T. 5 N. R. 5 E.; N. Bdy. T. 6 N. R. 5 E.; N. and W. Bdys. T. 5 N. R. 4 E.; N. and W. Bdys. T. 6 N. R. 4 E.; S. W. N. and E. Bdys. T. 6 N. R. 3 E.

for the Salt Lake Base and Meridian, Utah.

meridian, of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

J. W. Chase, J. W. Dougall, Chainman.

Dorsey Herr, Emmett Roylance, Chainman.

Joseph Bagley, Moundman.

Harold Diamond, Moundman.

Leonard Diamond, Axman.

Thos. S. Roylance, Axman.

Harry Rager, Chas. C. Fries, Flagman.

subscribed and sworn to before me this

day of May, 1899.

SEAL
NOTARY PUBLIC

Hugh W. Dougall
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

W. Frank E. Baster & David A. Blossom United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for *The State of Utah*, bearing date of the *1st* day of *January*, 1897, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for *The State of Utah*, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

S. and E. Bds. T. 1 S. R. 6 E.; W. Bdy. T. 1 N. R. 6 E.; N. Bdy. T. 5 N. R. 5 E.; W. Bds. T. 5 N. R. 6 E.; N. Bdy. T. 5 N. R. 5 E.; N. Bdy. T. 6 N. R. 5 E.; N. and W. Bds. T. 5 N. R. 4 E.; N. and W. Bdy. T. 6 N. R. 4 E.; S. W. N. and E. Bds. T. 6 N. R. 3 E.; of the Salt Lake Base and Meridian, Utah, presented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for *The State of Utah*, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Frank M. G. Baster & David A. Blossom United States Deputy Surveyor.

Subscribed by said *Frank M. G. Baster & David A. Blossom*, and sworn to before me,

this *21st* day of *December*, 1897.

SEAL
S. E. Baster & D. A. Blossom

Jacob B. Blodell
J. B. Blodell, Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8, 1898

The South West Part of East
Boundaries of Township 6 North Range 3 East of the Salt
Lake Base Meridian, Utah.

executed by *Frank M. G. Baster & David A. Blossom*,
under his contract No. *223*, dated *January 1, 1897*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jacob B. Blodell
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

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BOOK A-262

H.J.B.
FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

O.F.

T6N-R3E

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

E. Bexton and David H. Blossom, United States Deputy Surveyor,
Under his Contract No. 223, dated January 21, 1899

Survey commenced October 3 - , 1899

Survey completed October 10 - , 1899

6-151

Sects - high 60-14-227
" change - 3-96 ✓

NAMES AND DUTIES OF ASSISTANTS.

J.W. Chase.	Chairman
Dorsey Herr.	Chairman
J.W. Dougall.	Chairman
Austin Roylancee.	Chairman
Joseph Bagley.	Recorder
Leonard Diamond.	Recorder
Leonard Diamond.	Examiner
Thos S. Roylancee.	Examiner
Harry Rager.	Flagman
Chas C. Fries.	Flagman

To preliminary affidavits see book "B"

BOOK A-262

INDEX DIAGRAM.

Township *Range*

6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	32	33
34	35	36	37	38	39	30

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



Subdivision of T. 6 N. R. 3 E.

Survey commenced Oct. 3, 1899 and executed
with two 08 and 8. E. Keenly light mountain
transits with solar attachments, for a
description of which see book T. 6 N. R. 3 E.
For complete text of solar apparatus see
notes of exterior of this township book
T. 6 N. R. 3 E.

Oct. 3, 1899 at 8^h 00^m A.M. L.M.T. we set off
41° 15' Nor lat. and 11° 10' S. on decl. arc and
determined a true meridian with
the solar at the cor. to secs. 35 and 36 on
the S. bdy. of the Tp. Then we ran
31.0° W. bet. secs. 35 and 36 over mountainous
land through scrub aspen, descend

- 5.00 Top of spur projects N.
6.10 Enter aspen timber, leave deer undergrowth
10.00 Bottom of draw course N. begin ascent
10.00 Point of spur projects N. descend
10.00 Set a boulder 18x8x6 ins. 12 ins. in ground
for cor. sec. cor. Marked $\frac{1}{4}$ on N. faces, from which
an aspen 8 ins. diam. bears 165° E. 16 lbs. dict.
Marked $\frac{1}{4}$ S. 36 B. T.
An aspen 8 ins. diam. bears S 68° W. 26 lbs. dict.
Marked $\frac{1}{4}$ S. 36 B. T.
11.00 Leave aspen timber, enter scrub aspen.
14.00 Bottom of Ravine course S 65° W. also spring
branch 11 lbs. wide 3 ins. deep course S 65° W.
Ascend.
15.00 Point of spur projects N. descend
15.00 Bottom of head of Cottonwood Canon, also
spring branch 11 lbs. wide 3 ins. deep
course S. W. ascend
16.00 Enter scrub aspen, enter sage brush
17.00 Enter scrub aspen brns. E and N.
18.00 Set boulder 18x12x8 ins. 12 ins. in ground
for cor. of Secs. 35, 36, 35 and 36 marked with one
notch on S. and one notch on E. edges from
which
An aspen 8 ins. diam. bears N 42° E. 75 lbs. dict.
Marked T. 6 N. R. 3 E. S. 25 B. T.
An aspen 11 ins. diam. bears S 75° W. 66 lbs. dict.

Subdivisions 76 & R. E. Continued

marked T. 6 N. R. 3 E. S. 35, D. 6.

An aspen 4 in. diam. trans 440⁴ N. 31¹ W. 31 lbs. dist.
marked T. 6 N. R. 3 E. S. 36 B. T. also a mound
of stone 3 ft. base 11 ft. high N. of Cor. Pts.
and mountains

Soil gravelly 2nd water

Timber as pine 36.00 acs.

Mountains land ^{all} undergrowth 8.00

No trees on Sec. 36.

From Cor. to secs. 25, 36, 35 and 36 on mtn. Each on
random line bet. sec. 25 and 36 over rolling
plateau, described

40. 00 bet. twnp 1/4 cor.

79. 90 Intersect E. bdy. of Twp. at Cor. to secs. 25 and 36

Mtns & mtns

West on true line bet. secs. 25 and 36 over
rolling plateau, described

54. 00 Cut in aspen timber

39. 95 Bet broads - 16x10x8 in. lying in ground for 1/2
sec. cor. marked 1/4 on N. face, from which
An. aspen 10 in. diam. trans 412 N. 36 lbs. dist.
marked 1/4 S. 36 B. T.

An. aspen 6 in. diam. trans 414 E 120 lbs. dist.

Marked 1/4 S. 26 B. T.

45. 00 Bottom of ravine lower S. W. slope, aspen
timber

56. 00 Top of spur projects S. described

76. 00 Bottom cottonwood canyon course N 20^W. also
creek 8 miles wide course same, described
Cut in several aspen

74. 90 The cor. to secs. 25, 36, 35 and 36
land mountains

Soil gravelly 2nd water

Timber, aspens 9.90

Mountains land 29.90

From Cor. to secs. 25, 36, 35 and 36 no mtn. 1/4 0.00
bet. secs. 25 and 36 over mountainous land and
through several aspens and dense undergrowth

Subdivision R.R. & C - Continued

	brush. Descend.
3. 00	Leave scrub aspens. Enter Aspen timber.
8. 00	Bottom of draw drains N.E. Leave aspen timber. Ascend.
14. 00	Enter Aspen timber bear N.W. and S.E.
15. 00	Point of spur projects E. Descend.
40. 00	Set a boulder 16x6x6 ins. 11 ins. in ground for 14 sec. Cor. marked 14 on N. face from which An aspen 6 ins. diam. bears 375 ft. 36 lbs. dist. marked 14 S. 26. B.T.
	An aspen 8 ins. diam. bears N. 41° E. 46 lbs. dist. marked 14 S. 25 B.T. Located in small swale. Ascend.
46. 00	Leave aspen timber. Enter sage brush
50. 00	Top of spur projects N. E. Descend.
55. 00	Small draw drains N. 80° E. Ascend.
60. 00	Commence gradual ascent.
80. 00	Set a boulder 18x12x12 ins. 12 ins. in ground for cor. of secs. 23, 24, 28 and 26. marked with 2 notches on S. and 1 notch on E. edges; and raised mound of stone 2 ft. base 1½ ft. high N. of cor. Pts. impracticable and mountainous.
	Soil, stony 50% ratio.
	Timber Aspen 40.00 cfs.
	Mountainous landscape undergrowth 80.00 cfs.

E. on road on line bet. secs. 24 and 25;
Over rolling mountainous land, through
sage brush.

40. 00 Set. temp 14 sec. cor.
79. 85 Intersect E. body. Th. at cor. to secs. 24 and 25.
Thinner over mtn.

West on true line bet. secs. 24 and 25.
Ascend gently.

39. 85 Top of mtn. Descend.
39. 93 Set a boulder 17x9x4 ins. 11 ins. in ground for
14 sec. cor. marked 14 on N. face; and raised
mound of stone 2 ft. base 1½ ft. high N.
of cor. Pts. impracticable.

42. 80 Enter Aspens bear N and S.
43. 85 Leave Aspens bear N and S.

Subdivision T. 6. N. R. S. E. - Contained
Chains

57.80	Bottom of draw drains S. 10° Wt. Ascend.
- 79.85	Top cor. to secs. 23, 24, 25 and 26. Land mountainous. Soil Stoney 3rd rate. Timber Aspen 3.00 cbs. Mountainous land above undergrowth 79.85 cbs. Oct. 3, 1899: At this cor. we set off 4° 5' S. on the decl. arc; and at 0° 02' P.M. l.m.t. observe the sun on the meridian; the resulting lat. is 41° 14' N.
	N. 0° 1' Wt. bet. secs. 23 and 24 Over mountainous land, through sage brush. Ascend.
11.50	Hagon road brns N. W. and S. E.
22.00	Top of divide bet. Ogden and Lost Creek drain age, also enter Aspen timber. Descend.
35.00	Enter scattering pine timber brns. E. and W.
40.00	Set a boulder 20x16x12 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, from which An Aspen 8 ins. diam. brns. N. 58° E. 36 lbs. dist. marked 1/4 S. 24 B. T.
	An Aspen 6 ins. diam. brns. S. 58° W. 23 lbs. dist. marked 1/4 S. 23. B. T.
52.00	Head of draw drains N. Wt. Ascend.
- 80.00	Top of spur projects N. Wt. Set a boulder 16x8x6 ins. 11 ins. in ground for cor. of secs. 13, 14, 23 and 24 marked with 3 notches on S. and 1 notch on E. edges; from which A pine 6 ins. diam. brns. S. 52° W. 20 lbs. dist. marked T. 6. N. R. S. E. S. 25 B. T.
	A pine 8 ins. diam. brns. N. 37 1/2° W. 17 lbs. dist. marked T. 6. N. R. S. E. S. 14 B. T.
	A pine 6 ins. diam. brns. N. 68° E. 7 lbs. dist. marked T. 6. N. R. S. E. S. 13 B. T. Raised mound of stone 2 ft. base with ft. high. Lt. of cor. This impracticable land mountainous
	Soil gravelly 3rd rate. Timber, pine and Aspen 5.8.00 cbs. Mountainous land above undergrowth 80.00 cbs.

Subdivision T. 6. N. R. 5. E.

chains

		East on random line bet. Secs. 13 and 24
40	00	Sat. Temp. 14 Sec. cor.
79	96	Intersect E. bdy. of Tp. 8 th N. of Cor. to secs. 13 and 24 Thence w. run N 89° 57' W. on true line bet. secs. 13 and 24 over mountainous land, through scattered pines and scrub aspen and sage brush, ascend.
17	96	Enter aspen leave sage brush bars 91° and 8
31	96	Commences ascend gently also enter pine timber.
39	98	Set a boulder 14x12x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 5 ins. diam. bears N 39° W 20 lbs. dist. Marked 1/4 S. 24 B.T.
		An aspen 4 ins. diam. bears N 73 1/2° E. 30 lbs. dist.
		Marked 1/4 S. 13 B.T. also top of spur projects N. descend.
49	96	Leave scattering pine timber
51	96	Small spring on line.
65	96	Bottom of ravine drains N 85° E ascend
78	96	Top of spur projects N. W. also enter scattering pine timber, leave dense undergrowth
79	96	Thence cor. to secs. 13, 14, 23 and 24 Sand mountainous Soil loam & gravelly 2nd and 3rd rate Timber, pines 19.00 Aspens 62.00 chs. Mountainous land dense undergrowth 79.96 chs.

		N 0° 01' W. bet. S & E cor. 13 and 14.
		Over rough mountainous land, through scattering pines and scrub aspen timber descending along E. slope
4	00	Leave scattering pine bars E and W.
30	00	Head of draw, drains N. E. ascend
35	00	Point of spur project E. descend, also enter patches of willow.
40	00	Set a boulder 20x16x12 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face from which A willow 4 ins. diam. bears S 74 1/4° W 27 lbs. dist. marked 1/4 S 14 B.T. An aspen 3 ins. diam. bears N 58° E. 8 lbs. dist. marked 1/4 S. 13 B.T.

Subdivision T6 N.R. 3 E.
Chains

		Bottom of draw drains N 75° E. Ascend leave scrub Aspens.
55.00		Commence descend gently
-	80.00	Set a boulder 16x7x6 ins. 11 ins. in ground fo cor to Secs. 11, 12, 13 and 14 marked 4 notches on S. and 1 notch on E. edges; and raised a mound of stone 2 ft. base 1 1/2 ft. high west of cor. Pits impracticable.
		Sand Mountainous Soil gravelly good water Timber pines 5.00
		Mountainous land dense undergrowth 80.00
		N 89° 57' E. on random line bet. Secs. 12 and 15
40.00		Set. temp. 1/4 sec. cor.
79.97		Intersect E. bdy. Twp. 5 lks. S. of cor. to Secs. 12, 13.
		Chance was ours N 89° 5' W. on true line bet. Secs. 12 and 15
		Over rough mountainous land and through oak brush descend
21.97		Bottom of ravine also spring branch 2 lks. wide 2 ins. deep course N 15° W. Ascend
32.97		Top of spur projects N. descend
36.97		Bottom of Ravine drains N. E. Ascend abruptly
39.98		Set a sandstone 16x10x4 ins. 11 ins. in ground fo 1/4 sec. cor. marked 1/4 on N. face; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
56.47		Top of spur projects N. descend
61.97		Enter Aspen leave oak timber beans N. 18
69.97		Leave Aspen, enter oak brush beans N. 21.8
74.97		Bottom of ravine drains N. Ascend
79.97		The cor. to Secs. 11, 12, 13 and 14
		Sand Mountainous Soil stony good water
		Mountainous land dense undergrowth 79.97
		Timber Aspen 8.00 chs.

Oct 3 1899

Subdivision T. 6 N. R. 3 E. - Continued

Chains

- Oct. 4, 1899: At 8^h 00^m A.M. T., we set off 111° 15' N.
on the lat. arc 4° 23' S. on the decl. arc
and determined a true meridian
with the solar at the cor. to secs. 11, 12,
13 and 14.
- Thence we run
N. 0° 1' 01. bet. secs. 11 and 12
- Descend along slope of spur, through
oak brush
15. 00 Enter Scrub Aspin and underbrush
24. 00Leave Aspin
25. 00 Bottom of draw drains N. W. Still in oak
brush. Ascend.
40. 00 Set a boulder 10x8x6 ins. 9 ins. in ground
for 1/4 sec. cor. marked W on N. face; and
raised a mound of stone 2 ft. base 1 1/2 ft.
high N. of cor. Pits impracticable. Ascend.
44. 50 Top of ridge, bears N. W. and S. E. Descend
45. 00 Enter Aspin timber.
63. 00 Head of draw, bear. N. E. Leaves Aspin
timber. Ascend
71. 00 Top of small spur projects E. Descend
abruptly through scrub Aspin and dense
underbrush
78. 00 Bottom of gully, bears E. Ascend
80. 00 Set a sand stone 10x14x5 ins. 10 ins. in ground
for cor. to secs. 1, 2, 11 and 12 marked with 5 notches
on S. and 1 notch on E. edges; and raised a
mound of stone - 2 ft. base 1 1/2 ft. high N. of
cor. Pits impracticable.
- Sand Mountainous
- Soil generally 2nd and 3rd rates.
- Timber Aspin 27 chs.
- Mountainous Sandstone underbrush 80 chs.
-
- \$89° 5' 9" E. on random line bet. secs. 1 and 12
40. 00 Set tump. 1/4 sec. cor.
79. 75 Intersect E. bdy. of T. p. 2 lbs. N. of cor. to secs.
1 and 12
- Thence we run.

Subdivision of N. R. G. C. - Continued

Chancery

	11.89° 58' N. on true line bet. secs. 1 and 2.
	Over mountainous land and through dense underbrush. Ascend
7. 25	Top of spur projects N. E. Enter semi-aspen and dense undergrowth. Descend
15. 00	Head of hollow drain N. E.Leave aspen. Ascend
20. 20	Top of spur projects N. Descend abruptly.
39. 87 1/2	Bet boulder 15x8x6 ins. 10 ins. in ground for H. sec cor. marked 14 on the N. face; and raised mound of stone 2 ft. base 14 ft. high N. of cor. Bits impracticable Descend
44. 00	Bottom of canon trans N. 10° W. Ascend abruptly.
54. 1.0	Top of spur projects N. Descend.
68. 00	Bottom of gully, drains N. Ascend.
79. 75	The cor. of secs. 1, 2, 11 and 12. Land mountainous. Soil gravelly and rocky 3 rd rate Timber aspen. 7.75 chs. Mountainous land with undergrowth 79. 75 chs.

	11. 0° 10' N. on random line bet. secs. 1 and 2.
	Over mountainous land and through dense willows and aspen
40. 00	Set drift. 14 sec. cor.
73. 32	Intersect N. bdy. of sp. 22 lbs. E. of cor. of secs. 1, 2, 85 and 86. There is no road.
	80° 11' E. on true line bet. secs. 1 and 2. Ascend
2. 52	Top of spur projects N. Descend abruptly.
20. 82	Bottom of canon trans N. 01. Also creek 20 lbs. wide some course. Enter spur.
32. 32	Set a lime stone 14x9x5 ins. 9 ins. in ground for H. sec. cor. marked 14 on N. face, from which an aspen 5 ins. diam. trans N. 14° E. 37 lbs. dist. marked 14 b. 1 B. T.
	An aspen 5 ins. diam. trans. S. 36 1/2 W. 39 lbs. dist. marked 14 b. 2 B. T.
	Leave spur timber trans N. 01. and S. E.
38. 32	Leave dense willows and aspens.
40. 32	Top of spur projects N. E. Descend.

chs.

Subdivision 96 N.R. 3 E. - Continued

- 55.30 Draw drains E. Ascend.
66.17 Top of spur projects E. Descend.
73.32 The cor. to secs. 1, 2, 11 and 12.
Sand mountainous.
Soil rocky 3rd rate.
Timber, pine 33.32 chs.
Mountainous land 23.32 chs. Undergrowth 38.32 chs.

From the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of
the Tp. heretofore described

12 min

11° 2' N. lat. sec. 34 and 35 -

Over mountainous land. Descend

3.50 In of right fork of Cottonwood canon
des. creek 3 chs. wide course N.W. forks about
3 chs. Ht. Ascend.

13.00 Top of abrupt ascent

15.00 Point of spur projects S. Ht. Descend

1.00 Set a Quartzite boulder 14x8x6. ins. in ground
in 1/4 Sec. Cor. marked 1/4 on N. face; and raised
a mound of stone 2 ft. base 1 1/2 ft. high Ht. of cor.
its impracticable.

41.00 Enter scrub Aspen

44.00 Small spring in small draw drains W.
Leave scrub Aspen bears E and W.

54.00 Top of spur projects W. Enter Aspen timber.

60.00 Bottom of draw drains S. W. also small
spring about 50 lbs. W.

73.00 Leave Aspen timber.

80.00 Set a boulder 18x10x12 ins. 12 ins. in ground
or cor. of secs. 26, 27, 34 and 35. Marked with
1 notch on S. 2 notches on E. edges; and raised
mound of stone 2 ft. base 1 1/2 ft. high
Ht. of cor. Pits impracticable.

Sand mountainous

oil gravelly 3rd and 4th rate.

Timber, Aspen 22 chs.

Mountainous land 80.00 chs.

Subdivision T. 6 N. R. 3 E. Continued
Chs.

	E. on random line bet. secs. 26 and 35 -
40.00	Set trashy 1/4 sec. con.
79.90	Intersect N and S. line at cor. of secs. 25, 26, 35 and 36. Oct. 4, 1899: At this cor. over set off 4° 28' S. on the decl. arc, and 12° 00' W. M. L. m. t. observing the sun. on the meridian, the resulting lat. is 41° 13' N. Thence w. m. m.
	St. on true line bet. secs. 26 and 35. Ascend.
3.00	Leave scrub aspens.
7.00	Enter rolling bunch grass N and S.
39.95	Set a boulder 15x11x7 ins. 10 ins. in ground for 1/4 sec. con. marked 1/4 on N. face; and raised mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable.
70.00	Top of bunch grass N and S. Enter scrub aspens. Descend.
- 79.90	Th. cor. of secs. 26, 27, 34 and 35; Sand mountainous Soil gravelly. Good water Timber Aspens 12.90 chs. Mountainous land 79.90 chs.
	No° 2 Mt. bet. secs. 26 and 27.
	Over mountainous land and through willows and scrub aspens. Descend
5.00	Bottom of short draw drains St. Ascend.
10.00	Leave willows and scrub aspens, enter sage brush
15.00	Top of spur projects St. also enter few scattering pines and aspens. Descend.
20.00	Bottom of draw drains St. Ascend
23.00	Leave scattering pines and aspens.
30.00	Top of flat spur projects St. Descend gently.
37.00	Enter scattering aspens.
40.00	Set a boulder 17x12x8 ins. 11 ins. in ground for 1/4 sec. con. marked 1/4 on St. face; from which an aspen 12 ins. diam. bears S. 13° E. 77 lbs. dash marked 1/4 S. 36 P. T.
	An aspen 8 ins. diam. bears S. 31° W. 71 lbs. dash

Subdivision 16 N.R. 3 E.-Continued

Chains

	marked 14 S. 27 B.T.
54 . 00	Bottom of draw drains W. Ascend. Leave aspens, enter sage brush. Ascend gently.
60 . 00	Set a boulder 16 x 12 x 6 ins. 11 ins. in ground for cor. of secs. 22, 23, 26 and 27 marked with 2 notches on the S. and 2 notches on the E. edges; and raised a mound of stone 2 ft. base 1 1/4 ft. high N. of cor. and mountainous. (Pits impracticable)
80 . 00	Soil stony 3rd rate. Timber scattering few. 10 8.00 chs. Aspen 31.00 chs. Mountainous land dense undergrowth 80.00 chs.
40. 00	E. on random line bet. secs. 23 and 26. Set temp 14 sec cor.
79. 86	Intersect N and S. line 7 lbs. S. of cor. of secs. 23, 24, 25 and 26. Hence we run S 89° 57' W. on true line bet. secs. 25 and 26. Over mountainous land gently ascending near top of divide, and through sage brush.
29. 86	Top of divide. Descend
39 . 93	Set a boulder 18 x 10 x 8 ins. 12 ins. in ground for 1/4 sec. cor. marked 14 on N. face; And raised a mound of stone 2 ft. base 1 1/4 ft. high N. of cor. Pits impracticable
48. 86	Bottom of swale draining S. Ascend.
52. 86	Hagon road bears N.E. and S.W.
72. 86	Brine road bears N.W. and S.E.
79. 86	The cor. of secs. 22, 23, 26 and 27. Sand mountainous. Soil stony 3rd rate. No timber Mountainous land dense undergrowth 79.86 chs.

N. 0° 2' W. bet. secs. 22 and 23

Over mountainous land and through sage brush
Ascending.

1 . 00 Enter scrub aspen bears. N and S.

6 . 00 Hagon road bears. N.W. and S.E.

16 . 00 Top of divide bet. Ogden and Fort Creek

Subdivision T. 6 N. R. 3 E. - Contained
Chains

	drainage bars N.W. and S.E. Enter aspen timber. Descend.
18. 00	Leave scrub aspen
25. 00	Spring 2 chs. E. of line.
40. 00	Set a boulder 18x12x10 ins. 12 ins. in ground for cor. marked $\frac{1}{4}$ on W. face, and raised mound of stone 2 ft. base 1 ft. high W. of cor. from which
	An aspen 12 ins. diam. bears $86\frac{1}{2}^{\circ}$ E. 6.2 lbs. dist. marked T. 6 S. 23 B. T.
	An aspen 8 ins. diam. bears $115\frac{1}{2}^{\circ}$ W. 3.5 lbs. dist. marked T. 6 S. 22 B. T.
50. 00	Enter dense undergrowth
70. 00	Enter thick willows
79. 00	Enter pine timber, leave willows.
80. 00	Set a boulder 14x12x8 ins. 9 ins. in ground for cor. of secs. 14, 15, 22 and 23, marked with 3 notches on S. and 2 notches on the E. edges from which
	An aspen 8 ins. diam. bears 11.59° E. 3.7 lbs. dist. marked T. 6 N. R. 3 E. S. 14 B. T.
	An aspen 8 ins. diam. bears $83\frac{1}{2}^{\circ}$ W. 3.5 lbs. dist. marked T. 6 N. R. 3 E. S. 23 B. T.
	A pine 12 ins. diam. bears $82\frac{1}{2}^{\circ}$ W. 3.5 lbs. dist. marked T. 6 N. R. 3 E. S. 22 B. T.
	A pine 14 ins. diam. bears $114\frac{1}{2}^{\circ}$ W. 3.5 lbs. dist. marked T. 6 N. R. 3 E. S. 15 B. T.
	Land mountainous.
	Soil loam and gravelly, 2nd and 3rd rate.
	Timber, aspen 6.2 lbs. pine 1.00 chs.
	Mountainous land dense undergrowth 80.00 chs.
	Oct 4 1899

Oct 5, 1899 at 8³⁰ A.M. I. M. L. M. t. will set off $41^{\circ}15' 7''$ on lat. arc. $4^{\circ}47'$ on the decl. arc. and determine a true meridian with the solar at the cor. to secs. 14, 15, 22 and 23.

The next will run

$1189^{\circ}57' E.$ on random line bet. secs. 14 and 23.

Over rough mountain land and through thick pine timber.

Subdivision G. L. H. R. & G. - continued

Chains

41. 10 Set trap for deer, com.
79. 94 Intersect N and S. line. 9 ft. S. of cor. of sec. 2.
14, 23 and 24
Things over main
809' 54" from true line between sec. 14 and 23. Descend.
4. 94 Enter aspen timber, leave dense back underbrush.
21. 94 Bottom of Ravine drains N 25° W. Ascend.
39. 97 Set a boulder 18x13x8 ins. 12 ins. in ground.
for 14 sec. cor. marked 14 on N. face, from which
A. pines 10 ins. diam. branch N 28° E. 42 ft. dist.
marked 14 S. 14 B. T.
A. pines 10 ins. diam. bears. 55° E. 178 lbs. dist.
marked 14 S. 25 B. T.
40.00 Top of spur projects N. also, leave scattering
pine and enter thick pine. Descend.
44. 94 Bottom of Ravine drains N. Ascend
67. 94 Top of spur projects N. N. Descend.
73. 94 Head of draw drains N 20° W. also spring
branch 1 ft. wide 2 ins. dia. deep course
N 20° W. Ascend.
79. 94 The cor. to sec. 14, 15, 22 and 23.
Rugged mountainous.
Soil, loam and gravelly 1st and 2nd water.
Timber, pine 10. 00 cb. aspen 75.00 cb. ft.
Mountainous land 4 ft. undergrowth 79.74 cb. ft.

N 0° 2' W. lat. sec. 14 and 15;

Over rough mountainous land and through
pine and aspen timber, also dense
underbrush. Descend.

14. 00 Bottom of draw, small spring branch 1 ft.
wide 1 in. deep. course N. W. also leave
pine and aspen timber back 8 and 11
Enter dense oak brush. Ascend.
30. 00 Top of spur projects N. Descend.
32. 00 Enter scragg aspen, leave oak brush.
41. 00 Set a boulder 18x10x8 ins. 15 ins. in ground.
for 14 sec. cor. marked 14 on N. face, from
which
One aspen tree diam. bears 55° E. 25 lbs.

Subdivision T. 6 N. R. 3 E. - Continued
chains

	dist. marked 14 S. 14 B. T. On aspen 4 ins. diam. bears. N. 79° 01. 8 lks. dist. marked 14 S. 15 B. T.
40. 00	Cuts from timber bears E. and W.
50. 00	Bottom of draw drains N. W. also leaves pine and aspens. Ascend thence along N. slopes.
- 80. 00	Set a boulder 16 x 10 x 6 ins. 11 ins. in ground for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on the E. and 2 notches on E. edges; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Land mountainous. Soil gravelly 3rd rate. Timber, pine 19.00 chs. Aspen 14.00 chs. Mountainous land & dense undergrowth 80.00 chs.
	N. 89° 54' E. on random lime bts. secs. 11 and 14. Over rough mountainous land and through oak brush
40. 00	Set temp 14 sec. cor.
79. 90	Intersect N. and S. line 2 lbs. S. of cor. to secs. 11, 12, 13 and 14 Thence SW. N.W. S 89° 53' N. on true lime bts. secs. 11 and 14. Ad. end.
22. 90	Tail of spur projects N. W. Descend.
39. 95	Set a boulder 16 x 10 x 8 ins. 10 ins. in ground for 14 sec. cor. marked 14 on N. face; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
37. 90	Wood road. bears N. 18° W. and S. 10° E.
54. 90	Bottom of Ravine. drains N. 18° W. Ascend
76. 90	Tail of spur projects N. W. Descend also leaves dense locust underbrush.
- 79. 90	The cor. of secs. 10, 11, 14 and 15. Land mountainous. Soil gravelly 3rd rate. No timber. Mountainous land & dense undergrowth 79.90 chs.

Subdivision 16 N. R. & G. Co. - Continued.

chains.

	No. 2' 01. bet. Secs. 10 and 11.
	Over rough mountainous land and through denser oak and black brush. Ascend.
4. 1. 00	Top of spur projects N. thence on E. slope
7. 0. 0.	Top of same spur projects N. 10° E: thence descend rapidly on W. slope.
34. 0. 0.	Enter scrub aspens. bears N. and S.
40. 00	Set a boulder 16x10x8 in. 11 ins. in ground for 14 sec. cor. marked 14 on W. face, from which
	An aspen 4 ins. diam. bears N. 60° E. 8 ft. dist. marked 14 S. 11 B. T.
	An aspen 5 ins. diam. bears. S 30° W. 12 lbs. dist. marked 14 S. 10 B. T.
65. 0. 0.	Wood road. bears N. E. and S. W. also leaves scrub aspens. Enter Cottonwood timber.
67. 0. 0.	Bottom of Ravine drains N. E. and N. also leaves Cottonwood, enter Oak brush. Ascend abruptly.
75. 0. 0.	Point of spur projects E. thence descend over rough E. slope
80. 0. 0.	Set a sand stone 18x14x8 in., 12 ins. in ground for cor. of secs. 2, 3, 10 and 11, marked 5 notches on the S. and 2 notches on the E. edges; and raised mound of stone 2 ft. base 14 ft. high W. of cor. Pits impracticable. Land mountainous.
	Soil gravelly 3rd mat., timber bottom wood 2 chas. Mountainous land ^{base} undergrowth. 80 oaks.
	Oct. 5, 1899: At this cor. He set off 4° 51' S. on decl. arcs. and at 12° 00' M. C. M. t., observe the sun on the meridian; the resulting lat. is 41° 16' 36".
	7. 89° 35' E. on random line bet. secs. 2 and 11.
40. 00	Side temp. 14 sec. cor.
80. 0. 0.	Intersect N and S. line. 7th. N. of cor. to arcs. 1, 2, 11 and 12.
	Then by way round
	8. 89° 56' W. on true line bet. secs. 2 and 11.

Subdivision T. 6, N. R. G. E. - Continued.

Chains

	Ascend
8. 00	Top of ridge bears N. E. and S. W. and in ridge Descend
17. 00	Enter aspen timber.
22. 00	Head of draw, drains N. Ascend.
30. 00	Top of spur projects N. 20° W.Leave Aspen timber. Descend.
40. 00	Set a sand stone 14x9x4 ins. 9 ins. in ground for 14 sec. cor. marked 14 on N. face; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
46. 00	Hollow and left fork of Skull Crack, drains N. 20° W. no water. Ascend through dense underbrush.
53. 00	Top of flat ridge bears N. 15° W.
54. 00	Hagon road bears N. 20° W. and S. 20° E.
61. 00	Hollow drains N. 15° W.
65. 00	Top of spur projects N. 15° W. Leave Oak brush. Descend.
74. 10	Bottom of Skull Crack hollow, drains N. no water.
74. 40	Hagon road bears N and S. Ascend very abruptly.
80. 00	The cor. to secs. 2, 3, 10 and 11. Land mountainous Soil gravelly. 3rd rate. Timber Aspen 13.0 oochs. Mountainous land dense undergrowth 80.0 oochs

	N. 0° 2' S. on random line bet. secs. 2 and 3.
	Along steep E. slope of spur.
44. 00	Set. Temp. 14 sec. cor.
73. 57	Intersect. N. bdy. of Th. 24 lbs. E. of cor. to secs. 2, 3, 11 and 13.
	Then to N. W. corner S. 0° 13' E. on true line bet. secs. 2 and 3.
	Over mountainous land.
3. 57	Bottom of skull crack canon drains N. 15° W. Scattering Cottonwood trees on bottom of the canon.

Subdivision P.C.M.R. & E.C. - Cont'd.

Claims

20.57	Hagora road bank N. W. and S.E.
14.57	Enter Oak brush.
26.57	Leave Oak brush.
33.57	Set a red sand stone 111x11x6ins. Junc. in ground for H. Sec. cor. marked 14 on N. face; and raised a mound of stones 2 ft. base 14 ft. high. N. of cor. Pitt impracticable
	Forces of skull crack canon join E. of cor.
46.60	Top of spur on E. slope Descend.
54.60	Bottom of ravine drains N.E. Ascend.
62.55	Top of spur projects N.E. along E. slope of spur.
70.57	N.W. cor. to secs. 3, 6, 10 and 11 Land mountainous Soil stony poor water No timber Mountainous land 70.57 chs.

For. on cor. to secs. 3, 6, 10 and 11 the N. side
of the M. Limestone described

W. margin

11.0° 2' D. below sec. 33.5 m. 182 ft.

Over mountainous land and through
scrub aspens. Descend.

1.00	Bottom of draw drains E. Ascend
5.00	Leave aspens. Enter sage brush.
30.00	Top of spur projects E. thinning along E. slope short spars and hollows.
33.00	Enter scrub aspen bears E and S.
38.00	Leave the same bears E and S.
40.00	Set a boulder 111x10x6ins. Junc. in ground for H. Sec. cor. Marked 14, on N. face and raised mound of stones 2 ft. base 14 ft. high N. of cor. Pitt impracticable.
65.00	Enter ravine drains S. E. and S. Ascend
80.00	Set a boulder 18x12x2 ins. 12 ins. in ground for cor. to secs. 27, 28, 33 and 34. Marked with 1 notch on S. and 3 notches on E. edges. And

Subdivision T. 6. N. R. 3. E. Contained

6 miles

		raised mound stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable Sand mountainous. Soil stony 3rd rate No timber Mountainous land dense undergrowth 80,000 chs.
		East on random line bet. secs. 27 and 34. Set trap 14 sec. cor.
40.00		Intersection N. and S. line 9 miles S. of cor. to secs. 26, 27, 34. and 35.
		Thereby we run. 8890' 56" W. on true line bet. secs. 27 and 34. Over mountainous land and through dense underbrush
15.00		Bottom of left fork of Cottonwood canon, also creek 5 lbs. wide. drains S. Ascend.
25.00		Enter scrub aspens.
39.98		Set a boulder 16 x 10 x 6 ins. 11 ins. in ground for 14 sec. cor. marked 14 on N. faces and raised mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Ascend.
45.00		Top of ridge bears N and S. Descend gradually.
79.95		Head of draw drains S. The cor. to secs. 27, 28, 33 and 34.
		Sand mountainous. Soil gravelly 3rd rate No timber Mountainous land and dense underbrush 79.95 chs.
		W. 6° 2' O. lat. secs. 27 and 28. Over mountainous land and through sage brush. Ascend Old road bears N. N. and S. E.
3.00		

Subdivision R.R. 3 E. Cont'd.

chd

25.00	Top of spur projects S. E. Descend.
35.00	Enter a patch of willows bear E. and N.
36.00	Enter a patch of willows bear E. and N.
40.00	Set a boulder 18x10x6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raised mound of stone 2 ft. base 10 ft. high N. of cor. Pits impracticable
42.00	Savva willows bear E. and N.
50.00	Head of Ravine drains S. E. Ascend.
61.00	Oagon road bears. N. E. and S. W.
79.00	Top of divide bears. N. E. and S. W. Descend
80.00	Set a boulder 18x12x10 ins. 12 ins. in ground for cor. of secs. 21, 22, 27 and 38, marked with 2 notches on S. and 3 notches E. edges, and raised mound of stone 2 ft. base 10 ft. high N. of cor. Pits impracticable
	Sand mountainous
	Soil stony & dry, no timber
	Mountainous land 2/3 undergrowth 80.00 chd.

11.89° 56' E. on random line bet. secs. 22 and 27.

Over mountainous land and through sage brush.

40.00 Set. temp. 1/4 sec. cor.

79.90 Intercept N. and S. lines 14 ins. N. of cor to secs. 22, 23,

26 and 27

Thinner over worn

11.89° 58' O on true line bet. secs. 22 and 27.

Ascend.

17.90 Top of spur projects S. also Enter aspens.
bear N and S. Descend.

34.95 Bottom of Ravine drains S. Ascend.

36.90 Oagon road bears N and S.

39.95 Set a boulder 17x10x7 ins. 11 ins. in ground
for 1/4 sec. cor. marked 1/4 on N. face, from
which

On. aspen 8 ins. diam. bears 11.53° E. 28 lbs. dict
marked 1/4 S. 22 B.T.

On. aspen 8 ins. diam. bears 12 1/2 N. 17 lbs.

Subdivision T.6 N.R.3.E. - Continued

ch.s.

	dist. marked $\frac{1}{4}$ S. 27 B. T. Leave aspens.
44.90	Top of small ridge. Descend.
76.40	The cor. to secs. 21, 22, 27 and 28. Sand mountainous. Soil, stony and gravelly 2 nd and 3 rd rates Timber, pines and aspens 27.00 chs. Mountainous land and undergrowth 79.90 chs.
- 79.90	
	No. 2' H. bat. secs. 21 and 22. Over mountainous land and through sage brush. Descend.
2.00	Enter scrub aspens bear E and W.
17.00	Leave scrub aspens bears E and W. Enter sage brush
22.00	Rag on road bears S.W. and S. E.
40.00	Set a boulder 18x12x12 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. And raised ground of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
56.00	Enter pine and aspen timber bears E and W.
78.00	Bottom of Ravine drains $W 10^{\circ} E.$
- 80.00	Set a boulder 16x12x10 ins. 11 ins. in ground for cor. of secs 15, 16, 21 and 22 marked 6. N. on N.E. and S.E. on S.W. faces with 3 notches on S and E. edges from which: An aspen 8 ins. diam. bears $N 53^{\circ} E.$ 38 lbs. dist. marked T.6 N. R.3 E. S.15 B. T. An aspen 6 ins. diam. bears $S 53^{\circ} E.$ 65 lbs. dist. marked T.6 N. R.3 E. S. 22 B. T. An aspen 7 ins. diam. bears $S 28\frac{1}{2}^{\circ} W.$ 59 lbs. dist. marked T.6 N. R.3 E. S. 21 B. T. An aspen 6 ins. diam. bears $W 60\frac{1}{2}^{\circ} W.$ 52 lbs. dist. marked T.6 N. R.3 E. S. 16 B. T. Sand mountainous Soil stony and loam 2 nd and 3 rd rates Timber, pine and aspen 34.00 chs. Mountainous land and undergrowth 80.00 chs.

Subdivision T. 6 N. R. 3 E., - Continued

Cham.

- \$895.80 on random line bet. sec. 15 and 22.
Over rough mountainous land and through
aspen and scattering pine timber.
Set bould. 14 sac. cor.
79. 95 Enter sec. 11 and S. line 2 blks. N. of cor. to sec. 22.
14. 15, 22 and 23.
Leave on our own
N. 89° 57' W. on true line bet. sec. 15 and 22.
Descend
0. 95 Leave pine and aspen timber
9. 90 Bottom of ravine drains N 15° W. Enter
aspen, leave scrub aspens and willows.
Ascend
31. 95 Top of spur projects N 15° W. Descend.
37. 90 Enter pine timber bear N and S.
39. 97 Leave aspens
Set a boulder 14 x 12 x 12 ins. 9 ins. in ground
for 14 sac. cor. marked 1/4 on N. face, from
which.
An. aspen 12 ins. diam. bears S 4° W. 5 lbs. dist.
marked 1/4 S. 22 B. T.
An. aspen 8 ins. diam. bears N 5° E. 6 lbs. dist.
marked 1/4 S. 15 B. T.
47. 90 Bottom of Ravine drains N. also leave pine
timber, enter scrub aspens. Ascend rapidly.
62. 00 Commence ascend gradually.
65. 95 Enter willow bear N and S.
76. 00 Enter aspen and pine timber bear N and S.
Leave willows and scrub aspens.
79. 95 The cor. of secs. 15, 16, 21 and 22. Cor. on W side gully drains N 6°
Sand mountainous
Soil gravelly 2nd water.
Timber, pine 14.90 chs. Aspen 35.00 chs.
Mountainous land & undergrowth 79.90 chs.
Oct. 6, 1899: At this cor. we set off 5° 15' S. on the decl.
arc. and at 12^h 00^m M. l. m. t. observe the
sun on the meridian, the resulting lat.
is 41° 15' N.

Subdivision T. 6 N. R. 3 E. - Montauk

Chas.

	No. 8' 0". bet secs. 15 and 16. Through Aspens and pine timber. Descend Bottom of draw draws E. Leave pine. Ascend Thence along E. slope
18. 0.0	Draw drains E. Leave aspens
27. 0.0	Top of spur projects E.
34. 0.0	Set a boulder 16x10x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 14 on N. face; and raised mound of stone 2 ft. base 11 ft. high N. of cor. Pits impracticable. Descend.
45. 0.0	Draw drains E. Ascend.
51. 0.0	Spur projects E. Thence along E. slope of main ridge
80. 0.0	Set a boulder 18x12x8 ins. 12 ins. in ground for cor. to secs. 9, 10, 15 and 16. Marked with 4 notches on S. and 3 notches on E. edges. And raised mound of stone 3 ft. base 11 ft. high N. of cor. Pits impracticable Soil stony and water. Timber Pine. 18. 00, Aspen 34. 00 chs. Mountainous land is underbrush 80. 00 chs.

	S 89° 57' E. on random line bet. secs. 10 and 15. Through dense underbrush.
40. 0.0	Set tank 1/4 sec. cor.
79. 9.0	Intersect N. and S. line 19 lbs. N. of cor. of secs. 10, 11, 14 and 15. Thence w. w. w. N. 89° 49' 0" on true line bet. secs. 10 and 15. Descend Enter aspen, leave brush.
4. 9.0	Leave aspen
14. 9.0	Bottom of draw draws N. W. Ascend.
21. 9.5	Top of spur projects N. E. Descend
25. 9.0	Leave Oak and sage brush. Enter aspens
29. 9.0	Enter pine timber
33. 9.0	Leave Aspen and scattering pines
38. 9.0	Bottom of ravine at right fork of draw

Suldivision T. 6 N. R. 3 E. - continued

ths

	Crack canon drains N. E. No water descend gently.
39.95	Set a boulder 16x12x8 ins. 11 ins. in ground for 14 sec. cor. marked 14 on N. face; from which A Cottonwood 8 ins. diam. bears S 1° E. 55 lbs. dist. marked 14 S. 15 B. T.
	An aspen 4 ins. diam. bears N 12° W. 86 lbs. dist. marked 14 S. 10 B. T.
40.90	Enter aspens.
49.95	Sequoia aspens. also foot of steep ascent. The cor. of secs. 9, 10, 15 and 16.
79.90	Sand mountainous. Soil stony & poor rate Timber Ab from 1400 chs. Pine 6 chs. Mountainous land underbrush 79.90 chs.

	79.002' N. lat. bet. secs. 9 and 10 Ascend.
10.00	Top of ridge bears N 20° E. and S 20° W. Descend. Enter dense underbrush
12.00	Enter aspen timber
35.00	Head of draw drains N. W.
38.50	Sequoia aspen timber. Enter oak brush
40.00	Set a boulder 16x10x6 ins. 11 ins. in ground for 14 sec. cor. marked 14 on N. face; and raised mound of stone 2 ft. base 1½ ft. high Pt. of cor. Pits impracticable. Ascend
48.00	Top of spur projects N. W. Descend.
50.00	Enter dense willows and scrub aspens.
56.00	Sequoia aspens and willows. Also point of ridge projects N. W. Descend.
77.00	Small draw drains N. 15° W.
80.00	Set a boulder 14x10x4 ins. 9 ins. in ground for cor. of secs. 13, 4, 9 and 10 marked with 5 notches on S. 3 notches on E. edges; and raised mound of stone 2 ft. base 1½ ft. high Pt. of cor. Pits impracticable. Sand mountainous undergrowth 80.00 chs.

BOOK A-2

Subdivision T. 6, N. R. 36. - Continued.

chrs.

	Soil, stony 4th rate. Timber Aspin 26.50 chrs. Mountainous land 80.00 chrs. Underbrush 46.00 chrs.
	S. 89° 49' E. on random line bet. secs. 3 and 10. Over mountainous land and through oak brush 40.00 Set tank 1/4 sec cor.
79.90	Intersect N. and S. line 80 ft. S. of cor. to secs. 2, 3, 10 and 11. There we run N 89° 52' W. on true line bet. secs. 3 and 10. Ascend abruptly.
5.90	Top of spur projects N. Descend
20.00	Bottom of ravine drains N. Ascend
39.95	Set a boulder 13 x 10 x 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, and raised smooth stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
53.00	Top of large spur projects N. Descend
63.00	Ravine drains N. Ascend
67.00	Top of spur projects N. Descend.
- 79.90	The cor. of secs. 3, 4, 9 and 10. Sand mountainous Soil gravelly 3rd rate No timber Mountainous land + undergrowth 79.90 chrs.

Subdivision T.6, N.R. S.E. - Continued.

100.

11.002' N. on random line bet. secs. 3 and 4.

Set comp. $\frac{1}{4}$ sec. cor.

75.55 Intersect N. bdy. of T. 40 albs. E. of cor. of secs. 3 and 4.

Hence we run

80° 21' E. on true line bet. secs. 3 and 4.

Ascend abruptly through dense oak brush.

16.00 Top. of ridge bears N. W. and S. E.

Descend gradually along west slope.

33.58 Set a boulder 16x9x7 ins. 11 ins. in ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and
raised mound of stone 2 ft. base $1\frac{1}{2}$ ft.
high. N. of cor. Pits impracticable.

Descend.

43.00 Hilly drains N. W. Ascend.

57.00 A hilly drains N. E. Ascend

- 73.58 The cor. of secs. 3, 4, 9 and 10.

Sand mountainous.

Soil gravelly 80° ratio

No timber.

Mountainous land and drain. 1 in. 73.58 ch.

Oct. 6, 1899. At 4^h 00^m P.M. L. M. T. we set off 41° 6' N
on the lat. arc; 5° 17' S. on the decl. arc and
determine a true meridian with the
solar at their cor. to secs. 3, 4, 9 and 10.

Oct 6 1899

From cor. of secs. 32 and 33 on N. bdy. of the division.

Hence we run

N. 2° 3' N. bet. secs. 32 and 33

Over mountainous land and through sage
brush. Descend.

20.00 Enter scrub acacia bear E. and N. Hence we
descend rapidly.

28.00 Leave scrub acacia bear E. and N.

40.00 Set a boulder 16x13x8 ins. 12 ins. in ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and
raised mound of stone 2 ft. base $1\frac{1}{2}$ ft.
high. N. of cor. Pits impracticable.

43.00 Bottom of ravine drains N. E. junction
300' cho. N. E. Descend.

Subdivision T. 6. N. R. 3 E. - Continued.

chis.

46.00	Point of spur projects N.E. Descend.
47.00	Enter pine and aspen timber
51.00	Leave pine and aspen timber. bears E. and W.
55.00	Bottom of ravine drains. N.W. also small spring. Enter willows. Ascend.
58.00	Leave willows. Enter sage brush.
68.00	Top of spur projects S.W. Descend
70.00	Enter pine timber. bears E. and W.
73.00	Leave pine timber bears E. and W.
75.00	Bottom of ravine drains. S.W. Enter larch and sage brush.
- 80.00	Set a boulder 16x12x8 ins. 11 ins. in ground for cor. to secs. 28, 29, 32 and 33. Marked with 1 notch on the S. 4 notches on the E. edges. and raised mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable Sand. mountainous. Soil. stony 3 rd rate. Timber pine 7.00 chs. aspen. 4.00 chs. Mountainous land ^{tree} undergrowth 80.00 chs. Oct. 7. 1899. At 8 ^h 00 ^m A.M. I. m. t. we set off 41° 13' N. on the lat. arc: 5° 33' S. on the decl. arc; and determining a true meridian with the solar at the cor. of secs. 28, 29, 32 and 33.

	East. on random line bet. secs. 28 and 33.
40.00	Set tamper ¼ sec. cor.
79.95	Intersect N and S. line 7 lbs. S. of cor to secs. 27, 28, 33 and 34 Distance we run 58° 57' 01" on true line bet. secs. 28 and 33. Over mountainous land. Enter flat bench bears N and S.
80.00	Descend gradually.
39.98	Set a boulder 18x12x8 ins. 12 ins in ground for ¼ sec. cor. marked ¼ on N. face; and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable;

Subdivision T.6. N. R.3. E. - Continued.
cls

- 67.00 Enter scattering pines.
70.00 Seave scattering pines.
- 79.95 The cor. of secs. 28, 29, 32 and 33.
Sand mountainous.
Soil stony 3rd rate
Timber, scattering pines 3.00 chs.
Mountainous land 79.95 chs.

N. 0° 3' W. bat. secs. 28 and 29.

Over mountainous land and through sage and
larch brush. Ascend.

- 35.00 Old wagon road bears N. E. and S. W.
38.00 Top of divide bears N. E. and S. W.
Descend rapidly. Enter pine and aspen timber
40.00 Set a sand stone 14x10x8 ins. 9 ins. in ground
for 1/4 sec. cor. marked 1/4 on N. face, from
which
An aspen 18 ins. diam. bears S. 51 1/2 W. 29 lks.
dist. marked 1/4 S. 29 B. T.
An aspen 16 ins. diam. bears S. 86° E. 262 lks. dist.
marked 1/4 S. 28 B. T.
44.00 Bottom of ravine drains N. W. Ascend.
60.00 Seave pine timber bears E. and W.
Enter scrub aspens
70.00 Top of spur projects N. W. Seave aspens.
75.00 Enter pine timber
80.00 Set a boulder 16x10x8 ins. 11 ins. in ground
cor. of secs. 20, 21, 28 and 29. Marked with
2 notches on S. 4 notches on E. edges. from
which
A pine 16 ins. diam. bears N. 21° E. 28 lks. dist.
marked T6 N. R. 3 E. S. 21 B. T.
A pine 12 ins. diam. bears S. 84° E. 220 lks.
dist. marked T6 N. R. 3 E. S. 28 B. T.
A pine 14 ins. diam. bears S. 22 1/2 W. 44 lks.
dist. marked T6 N. R. 3 E. S. 29 B. T.
A pine 8 ins. diam. bears N. 52° W. 45 lks.
dist. marked T6 N. R. 3 E. S. 30 B. T.

DUNN MUSEUM

Subdivision T6. N. R 3 E. - Continued.

Chs.

Sand mountainous
Soil gravelly 2nd rate.
Timber, pine 20.00 chs.
Mountainous land ~~the~~ undergrowth 80.00 chs.

- N 89° 57' E. on random line bet. secs. 21 and 28.
Over mountainous land and through scattering pine timber.
40.00 Set tamper $\frac{1}{4}$ cor.
80.13 Intersect N and S. lines 3 lks. S. of cor. of secs. 21,
22, 27 and 28.
Thence we run
S 89° 56' W on true line bet. secs. 21 and 28.
Ascend.
2.10 Enter aspens bear N and S.
15.00 Enter pine timber bears E and W.
35.15 Enter willows.
40.06 Set a boulder 14 x 10 x 6 ins. gins. in ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which
An aspen 8 ins. diam. bears S 29° E. 21 lks. dist.
marked $\frac{1}{4}$ S. 28 B.T.
An Eldar 4 ins. diam. bears N 29° E 21 lks. dist.
marked $\frac{1}{4}$ S. 21 B.T.
42.10 leave willows.
51.10 Bottom of draw drains N.W. Ascend
61.00 Top of spur projects N. W. Descend
75.10 Bottom of draw drains N. W. also leave scatter-
ing aspens. Ascend.
80.13 The cor. of secs. 20, 21, 28 and 29
Sand mountainous
Soil, loam and gravelly 2nd and 3rd rate
Timber, pine and aspen 65.00 chs.
Mountainous land 80.13 chs.

Subdivision T.6.N.R.3.E. - continued.

chains

	10° 3' N. lat. sec. 20 and 21.
	Over rough mountainous land and through scattering pine timber. Descend.
10.00	Bottom of ravine drains N. W. Ascend.Leave scattering pine timber and enter oak and larch brush.
21.00	Point of spur projects N. W. Descend through patches of willow 0.50 chs. wide.
27.00	Stage road bears N. W. and S. E.
30.00	Bottom of Magpie Canyon drains N. W. also spring branch 2 lbs. wide 2 ins. dash course N. W. Ascend.
40.00	Set a boulder 12x10x4 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, and raised mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pit impracticable.
44.00	Top of spur projects N 75° W. Descend through dense larch brush.
52.00	Bottom of draw drains N. W. Ascend.
61.00	Top of spur projects N. W. Descend rapidly.
65.00	Enter scattering patches of willow and aspens. Leave larch brush.
80.00	Set a boulder 14x10x6 ins. 9 ins. in ground for cor. to secs. 16, 17, 20 and 21, marked with 8 notches on S. 4 notches on E. edges; from which an aspen 8 ins. diam. bears N 22° E. 74 lbs. dict. marked T.6.N.R.3.E.S.16.B.T.
	An aspen 5 ins. diam. bears S 41° E. 36 lbs. dict. marked T.6.N.R.3.E.S.21.B.T.
	An aspen 10 ins. diam. bears S 44° W. 78 lbs. dict. marked T.6.N.R.3.E.S.20.B.T.
	An aspen 6 ins. diam. bears N 77° W. 25 lbs. dict. marked T.6.N.R.3.E.S.17.B.T.
	Land mountainous
	Soil, stony 3 rd rate
	Timber pine 10.00 chs. larch 15.00 chs.
	Mountainous land the underlying 80.00 chs.
	Oct. 7, 1899. At this cor. we set off 5° 37' S. on the decl. side, and at 12 ^h 00 ^m 47. L. m. to observe the sun on the meridian; the resulting lat. is 41° 15' N.

Subdivision T. 6 N. R. 3 E. Cont'd.

	11.89° S. E. on random line bet. sec. 16 and 21. Over rough mountainous land and through aspens and dense herb underbrush.
40.00	Set tarp. 1/4 sec. cor.
80.17	Intersection N. and S. line 5 ltrs. S. of cor. of sec. 10, 16, 21, and 22. Thence w. w. n. n. m. S 89° 5' W. on true line bet. sec. 16 and 21. Ascend Leave pine and aspen timber. Enter scrub aspen.
18.20	Top of ridge a draw N. and S. Leave scrub aspens. Descend.
40.08	Set a boulder 12 x 10 x 7. inc. 8 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face; and raised mound stone 2 ft. base 1/4 ft. high N. of cor. Pits infracticable.
63.00	Bottom of ravine draws N. W. also Enter scrub aspens, leave oak and thick herb brush. Ascend Enter oak and herb brush. Leave scrub aspens.
68.00	Top of spur projects N. W. Descend.
76.15	Enter aspens. Leave oak and scattering maples.
78.15	Bottom of draw draws N. W. Ascend
80.17	The cor. of secs. 16, 17, 20 and 21. Sand mountainous, Soil gravelly 3rd rate Timber pine and aspen 5.0 cfs. Mountainous land & undergrowth 80.17 chs.
	N. 0° 3' W. bet. sec. 16 and 17. Over rough mountainous land, through aspens and dense underbrush. Descend.
2.00	Bottom of draw draws N. W.
5.00	Leave aspens. Enter oak and herb underbrush. Ascend.
15.00	Top of spur projects N. W. Descend
20.00	Bottom of Ravine draws N. W. Ascend
30.00	Point of spur projects N. W. Descend
39.00	Bottom of draw draws N. W. Ascend

Subdivision T. 6. N. R. 3. E. - Continued.

chd

- 40.0.0 Set a boulder 12x8x5 ins. 8 ins. in ground
in $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face: and raised
round stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits
impracticable.
- 44.0.0 Top of spur projects 71.58° N. Descend.
- 49.0.0 Bottom of ravine drains 185° N. Ascend.
- 58.98 Point of spur projects 87.75° N. Descend
- 64.0.0 Bottom of draw drains 8.80° N. Ascend
- 70.0.0 Top of spur projects N. Descend.
- 80.0.0 Set a boulder 16x8x8 ins. 11 ins. in ground for
cor. to secs. 8, 9, 16 and 17 marked with 4 notches on
the S. and E. edges: and raised round of
stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits im-
practicable
and mountainous.
Soil stony 3rd rate
No timber
Mountainous land ~~and~~ undergrowth 80.00 chd.

$1189^{\circ}54' E.$ on random line bet. secs. 9 and 16.
Over steep mountainous land through scatter-
ing oak, maple and hick. brush.

- 40.0.0 Set temp $\frac{1}{4}$ sec. cor.
- 80.21 Intersect N and S. 16 lbs. S. of cor. of secs. 9, 10, 15
and 16.
Thinner no run.
 $89^{\circ}11' N.$ on true line bet. secs. 9 and 16.
Ascend.

- 2.20 Top of ridge bears N and S. Descend.
- 12.20 Bottom of draw drains N. N. Ascend
- 15.0.0 Point of spur projects N. Descend.
- 21.20 Bottom of Ravine drains 120° E. Ascend
- 33.00 Top of spur projects 110° E. Descend.
- 40.10 Set a boulder 16x10x6 ins. 11 ins. in ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face: and raised
round stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
- 41.20 Bottom of Ravine drains 120° E. Ascend.

46.00	Top of ridge bears N. W. and S. E. Descend.
61.00	Bottom of draw drains N 60° W. Ascend along N.E. slope.
73.00	Point of spur projects N 60° W. Descend.
- 80.21	This cor. to secs. 8, 9, 16 and 17. Sand mountainous. Soil, gravelly 3rd rate No timber Mountainous land & undergrowth 80.21 chs.
N 0° 3' W. Lat. secs. 8 and 9.	
	Over rough mountainous land, through scattering oak and larch forest. Descend.
9.00	Bottom of Ravine drains N. Ascend.
22.00	Top of Ridge bears N 85° W. and S 85° E. Descend rapidly.
30.00	Enter Aspens. bear E. and W.
30.00	Beta Conglomerate 13 x 10 x 9 ins. 9 ins. in ground for 1/4 sec. cor. marked upon W. face: from which an aspen 4 ins. diam. bears S 54 1/2° E. 38 lbs. dist. marked 1/4 S. 9 B.T.
	An aspen 4 ins. diam. bears S 19° W. 68 lbs. dist. marked 1/4 S. 8 B.T.
45.00	Leave Aspens. bear N. E. and S. W.
64.00	Enter Aspens. bear E. and W.
70.00	Bottom of Ravine drains N 30° W. also leave Aspens bear N. W. and S. E.
- 80.00	Beta Boulder 16 x 8 x 6 ins. 11 ins. in ground for cor. of sec. 3, 4, 5, 8 and 9. marked with 5 notches on S. 4 notches on the E. edges: and raised round stone 2 ft. base 1 1/2 ft. high N. of cor. it's impracticable Sand mountainous. Soil gravelly 3rd rate Timber. aspen 29.00 chs. Mountainous land & undergrowth 80.00 chs.
Oct 8 1899	

Subdivision T6. N. R. 3. E. - Continued

Chs.

N. 89° 47' E on random line bet. secs. 4 and 9.

Over rough mountainous land, through oak, scattering maple, larch and sage brush.

40.00 Set. temp 1/4 sec. cor.

80.20 Intersect N. bdy. of Tp 22 lks. N. of cor. of secs. 4, 9 and 10

Thence w. m.

89° 48' N. on true line bet. secs. 4 and 9

Descend.

1.00 Bottom of draw drains N. 10° 04' Ascend

10.20 Top of spur projects N. Descend.

15.00 Head of draw drains N. Ascend.

20.20 Top of spur projects N. N. Descend.

38.00) " of Trail Cañon drains N. 25° N. Ascend.

40.10 Set. a boulder 16x12x8 ins. 11 ins. in ground for
1/4 sec. cor. marked 1/4 on N. face; and raised
round stone 1 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable.

49.00 Top of spur projects N. 25° N. Descend.

60.00 Bottom of ravine drains N. 26° N. Ascend abruptly.

71.20 Top of spur projects N. 25° N. Descend.

- 80.20 Th. cor. of secs. 4, 5, 8 and 9.

Land mountainous.

Soil gravelly 3rd rate

No timber

Mountainous land ~~and~~ undergrowth 80.20 lks.

Oct 9: At 8^h 00^m A.M. P.m.t. we set off 41° 16' N.

on the lat. arc: 6° 18' S. on the decl. arc. and
determine a true meridian with the solar
at the cor to secs. 4, 5, 8 and 9.

7.00 03' N. on random line bet. secs. 4 and 5.

Over mountainous land, through oak, service
and sage brush

40.00 Set. temp 1/4 sec. cor.

74.04 Intersect N. bdy. of Tp 22 lks E. of cor. of secs. 4
5, 6, 2 and 33

Thence w. m.

Subdivision 96 N.W. 36^c. - continued

Chs.

	80° 13' E. on line bet. Secs. 4 and 5.
7.00	Ascend abruptly
18.00	Point of spur projects W. Descend
25.00	Bottom of Ravine drains N.W. Ascend abruptly
33.00	Top of spur projects N.E. Descend.
34.00	Beta boulder 14x8x6 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
37.00	Bottom of head of draw drains N.E. Ascend.
45.00	Top of small spur projects N.E. Descend.
60.00	Head of draw drains N.E. Ascend
69.00	Top of spur projects N. 25° W. Descend.
74.00	The cor. of secs. 4, 5, 8 and 9. Land mountainous. Soil loam and gravelly 1st and 2nd water. No timber Mountainous land undergrowth 74.04 Chs.

From the of secs 31 and 32 on S. side of Th.

We run

71.0° 4' N. bet. secs. 31 and 32

Over mountainous land through pine timber
Descend

5.00	Bottom of ravine drains N.W. also some pine timber. Enter larch and sage brush Ascend steep S.N. slope.
16.00	Top of spur projects N.W. Descend rapidly
34.00	Leave larch and sage brush. Enter pine and scattering aspens, also willow underbrush
40.00	Beta boulder 16 x 16 x 6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, from which A pine 12 ins. diam. was 71° 35' E. 6.3 Chs. dist. Marked 1/4 S. 32 B. T.
	A pine 6 ins. diam., ht. 8.52' N. 46.6 Chs. dist. Marked 1/4 S. 31 B. T.
49.00	Bottom of Ravine drains N. Leave pine, aspens and willows. Enter larch brush. Ascend abruptly.
51.00	Top of abrupt ascent, then descend gently

Subdivision T. 6 N. R. 3 E. - Continued

- 57.00 Hagan road. brass. E and W. in H. H. Head Canon
59.00 Foot of divide: commence to ascend steepen
on E side
60.00 Set a boulder 18x12x10 ins. 12 ins. in ground
- Cor. of secs. 29, 30, 31 and 32. marked with 1 not
on S. 5 notches on E. edges; and raised ground
stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
Sand mountainous
soil stony 3rd rate
Timber pine 20.00 chs.
Mountainous land ~~E.~~ undergrowth 80.00 chs.

E. on random line bet. secs 29 and 32.

- 40.00 Set temp. 1/4 sec. cor.
79.85 Intersect N. & S. line 11 lbs. S. of cor to secs. 28, 29, 32 33.
Thinner we run
\\$890.58 W. on true line bet. secs. 29 and 32.
Descent
5.00 Bottom of hollow drains S. Old wagon road
in bottom. Thinner over small spurs and
hollows sloping S.
39.92 Set a boulder 14x10x6 ins. 9 ins. in ground for
1/4 sec. cor., marked 1/4 on N. face, and raised
ground stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
Pits impracticable
79.85 The cor. of secs. 29, 30, 31 and 32.
Sand mountainous.
Soil stony 3rd rate
No timber
Mountainous land ~~E.~~ undergrowth 79.85 chs.

West on random line bet. secs. 30 and 31

- 40.00 Set temp. 1/4 sec. cor.
89.18 Intersect N. bdy Tp. 30 lbs. S. of old cor. of sec.

Subdivision No N. R. 3 E., - Continued.
Chs.

		265.30.319nd36 which is a boulder 10x7x8 ins. above ground, marked as described by the Surveyor general. Head of a stream stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable. Thence we run S 89° 48' E. on true line bet. secos. 30 and 31. Descend.
9.20		Bottom of hollow drains S. Ascend.
39.00		Top of spur projects S. Descend.
49.18		Set a boulder 14x8x6 ins. 9 ins. in ground for N. sec. cor. marked 1/4 on N. face; and raised round stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable. Head of hollow drains S.
58.00 84.00		Small Draw drains S.W. ascend.
- 89.18		The cor. of secos. 29, 30, 319nd32. Sand mountainous. Soil gravelly 3rd rate. No timber.
		Mountainous land undergrowth undergrowth 89.18 Chs. Oct. 9, 1899: At this cor. we set off 6° 25' S. on the decl. arc; and 12' 00" M. h.m.t. observe the sun on the meridian; the resulting lat. is 41° 13' N.
		N. 0° 4' N. bet. secos. 29 and 30. Over mountainous land, through lark and sage brush. Ascend.
4.00		Head of draw drains S 10° Nt. Ascend.
30.00		Top of spur projects S.Nt. Ascend.
37.00		Enter scrub aspens bears E and Nt.
38.00		Spring on line.
39.50		Leave scrub aspens.
40.00		Set a boulder 17x12x5 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on Nt. face; and raised round stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
47.00		Top of Divide bears N. 75° Nt. and S. 75° E. Descend rapidly, also enter scrub aspens, willows, and dense undergrowth.
50.00		Enter scattering pines and aspen timber.

Subdivision T6 N.R. 3 E. - Continued.

\$3.00	Head of draw drains N.E. Descend
61.00	Spruce projects N.E. Descend
50.00	Set a boulder 18x12x8 ins. 12 ins. in ground for cor. of secs. 19, 20, 29 and 30 marked with 2 notches on S. and 5 notches on E. edges; from which Am. aspen 8 ins. diam. bears N71°E 88 lbs. dist. marked T6 N.R. 3 E. S. 20 B.T.
Am. aspen 6 ins. diam. bears S62°E 117 lbs. dist. marked T6 N.R. 3 E. S. 29 B.T.	
Am. aspen 6 ins. diam. bears S52°N. 24 lbs. dist. marked T6 N.R. 3 E. S. 30 B.T.	
A fine 14 ins. diam. tree, N26°E 125 lbs. dist. marked T6 N.R. 3 E. S. 19 B.T.	
Dense mountainous.	
Soil gravelly 3rd rate	
Timber, fine and aspen 33.00 chs.	
Mountainous land & undergrowth 80.00 chs.	

	1189°58' E. on random line, bet. secs. 20 and 29
110.00	Set stump, 1/4 sec. cor.
79.90	Intersection 11 and S. line, 21 lbs. N of cor. of secs. 20, 21, 28 and 29.
	Thinner overgrown
	1189°53' N. on line line, bet. secs. 20 and 29 through scattering firs, aspens and dense underbrush. Ascend.
7.90	Top of spur projects N. N. Descend.
66.00	Foot of descent also, wide ravine drains N30°E.
34.00	Good road bears N30°E.
38.00	Foot of ascent.
39.95	Set a boulder 16x13x10 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face from which
	Am. aspen 12 ins. diam. bears N7°E 34 lbs. dist. marked 1/4 S. 20 B.T.
	Am. aspen 7 ins. diam. bears S13°E 21 lbs. dist. marked 1/4 S. 29 B.T.
50.90	Top of spur projects N30°E. Descend

Subdivision T. 6 N. R. 3 E. - Contained

cts.

58.90	Bottom of Ravine drains N. 30° E. Ascend Scars, last brush
77.90	Top of spur projects N.E. Descend
79.90	The cor. of secs. 19, 20, 29 and 30. Land mountainous. Soil, gravelly soil rather Timber, scattering pines 79.90 chs. Mountainous land the undergrowth 79.90 chs.

	Knowing from previous re-tracement of St. body. of Thp. that a C.C. would be required for the cor. to secs. 19 and 30. therefore we run St. on tree line bet. secs. 19 and 30. Cor on Top of spur projects N. Descend.
9.50	Gully drains N. 20° E. Ascend
18.00	Top of spur projects N.E. Descend.
24.50	Enter scattering pines
26.00	Gully drains N.E. Ascend
40.00	Set a boulder 16 x 11 x 9 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pts. impracticable.
44.30	Enter underbrush
49.30	Leave underbrush Top of ridge bears S. and N. H. Descend.
89.32	Intersect St. body. of Thp. 65 lbs. 81.003 hold cor. of secs. 19, 24, 25 and 30 which is a granite 8 x 6 x 12 ins. above ground. marked as descent- ed by the Surveyor General, and witnessed by us in the survey of St. body. of this Thp.
	Set a boulder 15 x 8 x 4 ins. 10 ins. in ground for closing cor. to secs. 19 and 30. Marked C.C. on E. with 2 grooves on S. and 4 grooves on N. faces; and raised mound of stone 2 ft. base 1 1/2 ft. high E of cor. Pts. impractic- able.

Subdivision No. M. R. G. E. - Continued.

Soil gravelly. Good water.
Timber, scattering pines 24.32 chs.
Mountainous land 89.32 chs.
Note: we destroy all marks of old cor pertaining
to secs 19 and 30.

- No 4' 01. lat. secs. 19 and 20.
Through scattering pines and aspens, and dense
maple and willow brush. Over mountainous
land, descend rapidly.
20.00 Bottom of wide draw drains. N 10° W. also
wood road same course. Then descend
gently along bottom of draw.
24.00 Bear Aspens timber. Enter scrub aspen
26.00 Cross draw drains N 10° E. also wood road
Bear N 10° E. S 10° W.
31.00 Bear scattering pine and maple brush.
Enter last brush.
40.00 Set a boulder 16x10x6, ins. in ground
for 4 sec. cor. marked 4' 01. faci. and
raised mound of stone 3 ft. base 1 $\frac{1}{2}$ ft.
high. N. of cor. Pits impracticable.
43.00 Continue to ascend also eastern oak
brush
55.00 Point of spur projects N.E. Descend.
65.00 Bottom of draw drains N.E. Ascend.
79.00 Point of spur projects N.E.
80.00 Set a boulder 11x16x8 ins. 9 ins. in ground
for cor. of secs. 17, 18, 19 and 20. marked with
3 notches on S. and 5 notches on E. edges; and
raised mound stone 2 ft. base 1 $\frac{1}{2}$ ft.
high. N. of cor. Pits impracticable.
Soil mountainous.
Soil gravelly. Good water.
Timber, pines and aspens 34.00 chs.
Mountainous land ^{some} undergrowth 80.00 chs.

Subdivision S. 6 N. R. 3 E. - continued.

	Oct 10, 1899. At 8 th sec. 16 M. Lupton was set off 48' 15" from the lat. arc; and 64° S. on the decl. arc, and determined the true meridian with the solar at the cor. to secs. 17, 18, 19 and 20. Then we run S. 89° 53' E. on random line bet. secs. 17 and 20. Over mountainous land, through oak brush and dark underbrush.
40.00	Set temp. 14 sec. cor.
80.00	Intersect N and S. line. 4 lks. N. of cor. of 16, 17, 20 and 21.
	Then we run S. 89° 54' W. on true line bet. secs. 17 and 20.
	Ascend
5.00	Leave aspen timber and patches of willows.
6.00	Top of spur projects 385 ft. Descend steep.
10.00	Set a boulder 14 x 11 x 10 ins. 9 ins. in ground for 14 sec. cor. marked 14 on N. face, and raised mound of stone 2 ft. base 18 ft. high N. of cor. Pits impracticable.
145.00	Bottom of Magpie canon drains N. W. Ascend.
51.00	Top of small mesa in canon Descend
54.00	Bottom of gulch drains N. E. Ascend
70.00	Diagon. road bears N. W. and S. 10° E.
71.00	West side Magpie canon Ascend abruptly.
77.00	Top of small spur projects N. Ascend
81.00	The cor. of secs. 17, 18, 19 and 20.
	Land mountainous. Soil stony, first rate. Timber, aspen, 6.00 lbs.
	Mountainous land & e. undergrowth 8000 oobs.
	Four corners already explored near river West on tree line bet. secs. 18 and 19.
	Over mountainous land, through oak and dark brush. Descend
2.00	Bottom of short draw drains N.
	Ascend steep
16.00	Top of spur projects N. Ascend rapidly

Subdivision T. 6 N. R. 3 E., continued.

39.00	Bottom of draw drains N. 15° W. Ascend.
40.00	Set a boulder 16x12x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
44.00	Top of small spur projects N. Descend.
48.00	Bottom of Ravine drains N. 15° E. junction 5.00 chs. N. 15° E. Ascend steep
68.00	Top of spur projects N. Descend.
76.00	Bottom of Ravine drains N. Ascend.
80.00	Top of ridge bears N. 15° W. and S. 15° E. Descend.
89.35	Intersect N. bdy. of Twp. 106 E. Sec. 100 1/2 fold cor. ^{Aug 12, 1925} which is a boulder 6x5x4 ins. above ground marked and witnessed as described by the Surveyor General.
X	Set a boulder 14x12x6 ins. 9 ins. in ground for closing of secs. 18 and 19. marked C.C. on E. with 3 grooves S and N. faces; and raised mound stone 1 ft. base 1 1/2 ft. high on E. of cor. Pits impracticable.
	Sand mountainous
	Sail gravelly soil rate
	No timber
	Mountainous land ^{E.} undergrowth 89.35 chs.
	Note: we destroy all marks of old cor pertaining to secs 18 and 19

N. 0° 4' W. bet. secs. 17 and 18.

Over-mountainous land through oak,
scattering maple and last underbrush.

Descend rapidly.

13.00 Enter willows

17.00Leave willows. Enter Magpie canon.

Thence descend gently

19.00 wagon road bears N. W. and S. E.

40.00 Set a boulder 16x10x8 ins. 11 ins. in ground
for 1/4 sec. cor. marked 1/4 on N. face; and
raised mound stone 2 ft. base 1 1/2 ft. high
N. of cor. Pits impracticable.

46.00 Descend abruptly

BOOK R-206

Subdivision T. 6. N. R. 3. W. - Cont'd.

Chs.

52.00	Bottom of Maggie Canon drains N. Wt. also interl. Cottonwood timber. Ascend abruptly through thick oak brush.
55.00	Leave Cottonwood timber.
64.50	Top of spur projects N 85° W. Descend abruptly.
69.00	Bottom of deep gulch drains N 83° W. Ascend abruptly.
77.00	Top of spur projects N 85° W. Descend.
- 80.00	Set a boulder 18x12x8 ins. 12 ins. in ground for cor. to secs. 7, 8, 17 and 18. Marked with 4 notches on S. and 5 notches on E. edges and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Sand mountainous. Soil stony good water.
	Timber Cottonwood 3.00 chs.
	Mountainous land and undergrowth 80.00 chs.

	\$ 89° 51' E., on random line bet. secs. 8 and 17
40.00	Set temp 1/4 sec. cor.
80.13	Intersect N and S. line 20 lks. N of cor. of secs. 8, 9, 16 and 17. Thence we run
	N 89° 42' W. on true line bet. secs. 8 and 17. Descend.
40.06	Set a sand stone boulder 17x11x9 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.00	Draw drains S. Wt. Ascend
59.10	Top of ridge bears N 80° E. S 80° W. Descend
80.13	Th. cor. to secs. 7, 8, 17 and 18. Sand mountainous Soil stony good water No timber Mountainous land and dense underbrush 80.13 chs.

Subdivision T. 6. N. R. 3 E. - Continued.

	Top of ridge bears N. W. and S. E. Thrice
9.30	West on tree line bet. 7 and 18 Ascend Enter Aspin underbrush
14.30	Elbow in ravine drains S. 50° W.
15.00	Top of spur projects S. W.
4.0.00	Set a quartzite boulder 14x8x7 ins. 9 ins. in ground for 1/4 sec. cor. marked 14 on N. face: and raised mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Descend
47.50	Bottom of Magpie Canon drains N. W. no water Ascend.
53.30	Dragon road bears N. W. and S. E.
65.00	Top of low spur projects N. 10° E.
72.00	Hollow drains N. E.
79.00	Leave underbrush
83.00	Enter oak brush
89.34	Intersection N. Ely. of 1/2. 105 deg. N. of cor. of secs. 12 and 13. Set a sand stone 18x12x5 ins. 12 ins. in ground for closing cor. of secs. 7 and 18 marked C.C. on E. with 4 grooves on S. and 2 grooves on N. faces: and raised mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable. Stand mountainous Soil gravelly, rocky, 3rd and 4th mts.
	No timber
	Mountainous land the undergrowth 89.34 cor. Alt. 10,1899: At this cor. we set off 6° 46' S. on the decl. arc: and at 12° 00' M. L. m. t. observe the sum of the meridian: the resulting lat. is 41° 15' N.
	Note: we destroy all marks of old cor. pertaining to secs. 7 and 18

	N. 0° 14' W. S. : bet. secs. 7 and 8
	Over mountainous land through oak, service berry, hawthorn and sage brush. Descend
0.50	Bottom of draw drains S. 85° W. Ascend
10.00	Top of spur projects S. W. Descend.
12.00	Small draw drains S. W. Ascend
38.50	Top of ridge bears N. W. and S. E. Thrice

Subdivision T6 N. R. 3 E. - Continued
chrs.

	descend rapidly along N.E. slopes. Set a boulder 16x10x8 ins. 11 ins. in ground for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N. face, and raised mound of stones 2 ft. base $\frac{1}{4}$ ft. high N. of cor. Pits impracticable.
73.00	Bottom of ravine drains N.W. thence ascend along S.W. slopes.
78.00	Commence to descend
80.00	Set a boulder 16x10x6 ins. 11 ins. in ground for cor. to secs. 5, 6, 7 and 8; marked with 5 notches on S. and E. edges; and raised mound stones 2 ft. base $\frac{1}{4}$ ft. high N. of cor. Pits impracticable. Land Mountainous. Soil stony and rate No timber Mountainous land and undergrowth 80.00 chrs.

	88° 42' E. on random line bet. secs. 5 and 8.
40.00	Set temp $\frac{1}{4}$ sec. cor.
80.10	Intersect N and S. line 2 lks. S. of cor. of secs. 4, 5, 8 and 9. Thence westward.
9.50	88° 43' W. on true line bet. secs. 5 and 8. Descend Bottom of ravine. drains N 10° W. Ascend
21.00	Top of spur projects N. Descend
26.00	Draw drains N. Ascend
32.00	Top of spur projects N. Descend
40.05	Set a boulder 15x9x7 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which An. aspen 6 ins. diam. bears N 13° W. 92 lks. dist. marked $\frac{1}{4}$ S. 8 B.T. An. aspen 5 ins. diam. bears N 88° W. 141 lks. dist. marked $\frac{1}{4}$ S. 5 B.T.
40.50	Bottom of draw drains N.
41.00	Enter Aspen timber bears N 20° W. Ascend
53.00	Top of spur projects N. Leave Aspen timber. Descend.
64.00	Bottom of gully drains N 15° W. Ascend

Subdivision T6. N.R. 36 - continued.

72.00	Top of spur projects N. Descend.
80.10	The cor. of secs. 5, 6, 7 and 8. Land mountainous Soil stony 3rd and 4th ratios. Timber. Aspens 12.00 chs. Mountainous land 80.10 lbs.
8.00	Forenoon is already experienced extremely West on tree line bet. secs. 6 and 7. Over mountainous land, through scattering service berry and sage brush. Descend.
12.00	Bottom of ravine drains N.W. Ascend abruptly.
17.00	Top of spur projects N.E. Descend rapidly.
35.00	Enter oak brush
40.00	Set a lime stone 18x10x4 ins. 12 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face; and raised a mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
48.00	Bottom of gulch drains N.W.; also leave oak brush. Enter scattering scrub aspens and a few scattering pines. Ascend.
50.00	Leave scrub aspens and pines. Enter oak and larch brush.
55.00	Point of spur projects N.E. Descend.
61.00	Enter bottom of Ogden River canon.
64.00	Enter cottonwood and thick willows
72.00	Ogden River drains S.W. 75 lbs. wide 2 ft. Deep runs S. 25° W.
73.00	Road bears N. 25° E. and S. 25° W.; also leave cottonwood and willows. Enter oak and sage brush. Ascend ab- ruptly
89.45	Enter east N. bdy. of Tp. 120 lbs. N of cor. of secs. 1 and 12 Set a sand stone 17x10x3 ins. 11 ins. in ground for corner of secs 6 and 7 marked C.C. on E: with 3 grooves on S. and 1 groove on N. faces; and raised mound stone 3 ft. base 1 1/2 ft. high E. of cor.

Suddivision 96 N-03 E-2

Pits impracticable
Sand mountainous
Soil stony and loam 1st and 3 rates.
Timber Cottonwood 8.25 chs.
Mountainous land ~~under~~ undergrowth 89.45 chs.
Note: we destroy all marks of old cor pertaining
to secs 6 and 7

W. 0° 4' 0" on random lime bat. secs. 5 and 6.
Over mountainous land, through scattering
oak and sage brush. Descend.
Set tamper 1/4 sec. cor.
73.80 Intersect N. bdy. of Twp. 18 lks. 0 ft. of cor. of sec.
5, 6, 31 and 32
Thinner we run
S. 0° 4' 0" on true lime bat. secs. 5 and 6.
Ogden road bears N 25° E and S 25° W.
Enter bottom, and Willows leave sage brush.
Thinner across bottom.
26.80 Ogden River 80 lks. wide 2 ft. deep, drains
S 25° W.
30.00Leave bottom of Ogden river, also leave
willows. Ascend.
33.80 Set a boulder 16 x 10 x 6 ins. 11 ins. in ground
for 1/4 sec. cor. marked 1/4 on W. face; and
raised mound of stone 2 ft. base 1 1/2 ft.
high W. of cor. Pits impracticable.
The cor. of secs. 5, 6, 7 and 8.
Sand mountainous.
Soil loam and gravelly 1st and 2nd rates.
No timber.
Mountainous land ~~under~~ undergrowth 73.80 chs.

Oct 10 1899

General Description.

This township consists of very rough and rugged mountains. The tops and south slopes of which are covered with a growth of rich and nutritious grasses which furnishes feed for numerous herds of sheep pastured in in this locality during the summer months.

The only land suitable for agricultural purposes is found in Lyden Canon in the north western portion of the township.

A well defined divide between Lost Creek and Lyden drainage runs through the southern portion of the township from East to west.

Timber consists of quaking asp and pine an abundance of the former being found in all the northern portion of the township, the latter is for the most part found in the northern and eastern portion of the township.

The township is fairly well watered by scattering springs and small streams of pure fresh water.

There are no indications of mineral in this township.

We saw no trace of any surveys made by Geo A Burrows and James S Burrows, applic for survey of this township.

Frank E. Doster
David
U.S. Dist. Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

"subscribed and sworn to before me this _____ }
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor

swearingly affirm that, in performance of a contract received from
the United States Surveyor General for

bearing date

day of 189 , I have well, faithfully, and truly, in my
proper power, and to strict conformity with the instructions furnished by the United States Surveyor
General for the , the Manual of Surveying Instructions, and the laws of
the United States, disregard all those parts or pretences of

of the

territory, in the , which are represented in
the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for the , and in the specific manner described in the field notes, and
that the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said , and sworn to before me,

this day of 189 }

000000
000000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

W. H. Abbott, U. S. Surveyor General.
The foregoing field notes of the survey of the following premises,
located in the State of New York, in the County of Ulster,
namely, the tract of land described in Survey No. 12, dated January 1, 1897, having
vertically transcribed and the necessary corrections and explanations made, the said field notes, and
errata thereto, are hereby approved.

W. H. Abbott, U. S. Surveyor General.
dated January 1, 1897, having
vertically transcribed and the necessary corrections and explanations made, the said field notes, and
errata thereto, are hereby approved.

Jacob T. Blau
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
the office of the Surveyor General, has been correctly copied from the original notes on file in this office.

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BOOK A-262

FIELD NOTES

retracement
OF THE SURVEY OF THENorth Boundary

of

T 6 N - R 2 E

of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Frank D. Baxter and Daniel H. Boardman, United States Deputy Surveyors
of Measurement Special Instructions dated June 11, 1900
Under his Contract No. 223, dated January 21, 1899,

Survey commenced October 11, 1899

Retracement Survey completed October 12, 1899

-161-

M. O. U.S.
Retracement No. 109 - Right 3-79-07 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase.	Chairman.
Dorsey Herr.	Chairman.
J. W. Dougall	Chairman.
Austin Roylance.	Chairman.
Joseph Bagley.	Mountman.
Leonard Diamond.	Mountman.
Leonard Diamond.	Oxman.
Thos S. Roylance.	Oxman.
Harry Roger.	Flagman.
Chas C. Fries.	Flagman.

To preliminary affidavits on book 'A'

BOOK A-262

INDEX DIAGRAM.

Township....., *Range*.....

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman

....., Chainman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman

....., Moundman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman

....., Axman

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this }
day of , 189 }



Retracement of N. Bdy of 9° 6' N or 2 E.

Retracement commenced Oct 11th 1899
and executed with Tmd W and L. E.
Gurley light mountain transits with
solar attachments for a description
of which see book ^{of} 3rd.

To examine the adjustments
of the transits and correct the
level and collimation errors, then
to test the solar apparatus by com-
paring their indications made
during a.m. and p.m. hours
with a true meridian determined
by observation on Polaris we
proceed as follows.

At our camp which is situated
in sec 12 latitude $41^{\circ} 16' N$ longitude
 $111^{\circ} 40' W$ we set off $41^{\circ} 16' N$ on the lat arc
 $7^{\circ} 11' S$ on the decl arc and at $3^{\text{h}} 30^{\text{m}}$ a.m.
l.m.t. determine with the solar of
one of the instruments a true mer-
idian and mark a point thereof
on a flag driven in the ground
5.00 hrs N of our station.

With the second instrument
placed over the same initial point
we set off $41^{\circ} 16' N$ on the lat arc
 $7^{\circ} 11' S$ on the decl arc and at $3^{\text{h}} 40^{\text{m}}$
p.m. l.m.t. determine with the
solar a true meridian and
mark a point thereof on the
flag already set 5.00 hrs N of our
station. This point falls 0.2 m
East of that of the first instrument

Oct 11th 1899

Oct 12 1899. At $5^{\text{h}} 51^{\text{m}}$ a.m. l.m.t.
we observe Polaris at western
elongation with the 1st instrument
in accordance with the manual
of instructions and mark a
point on the true line thus

Refracement of N.B. by N.B.E. —

determined, on a plumb bobbin
in the ground 5.0° chs North of our
station.

At $7^{\text{h}} 00^{\text{m}}$ a.m. l.m.t. on day,
off the azimuth of Polaris $1^{\circ} 38'$ to
the East and mark a point in
the true meridian thus determined
with the first instrument by a
pencil mark on the stile set
Oct 11-1849 on which the true merid-
ian falls 0.3 ins East of the mark
determined by the solar of the
1st instrument and 0.1 ins East
of that of the second instrument.

At $8^{\text{h}} 00^{\text{m}}$ a.m. l.m.t. on set
off $41^{\circ} 16' N$ on the lat. arc $7^{\circ} 26' S$
on the decl. arc of the 1st
instrument and mark a point
in the true meridian determined
with the solar by a pencil mark
on the stile already set 5.0° chs
North of our station. This mark
falls 0.1 ins East of the true meridian es-
tablished by the Polaris observation.

At $8^{\text{h}} 10^{\text{m}}$ a.m. l.m.t. on set
off $41^{\circ} 16' N$ on the lat. arc $7^{\circ} 26' S$
on the decl. arc of the second
instrument and mark a point
in the true meridian determined
with the solar by a pencil mark
on the stile already set 5.00 chs
North of our station; this mark
falls 0.3 ins East of the true meridian
established by the Polaris observation.

The solar apparatus defines
positions for true meridians
respectively about $0^{\circ} 16''$ West and
 $0^{\circ} 05'$ East of the true meridian
established by the Polaris observation
with the 1st instrument and

Retracement of N Bdy of Ton Brk. Continued

0' 05" west and 10" East of the same with the dud instrument, therefore we conclude that the adjustments are satisfactory.

The magnetic bearing of the true meridian at 8^h 30^m a.m. h.m.t. is N 17° 18' W the angle thus determined reduced by the table page 100 gives the mean decl 17° 15' East.

Preliminary to commencing the subdivisions of the unsubdivided portion of this Bdy we proceed to the cor of secs 3, 4, 33 and 34 on the N bdy of the Tf which is a sandstone boulder 8x6x10 ins above ground marked and witnessed as described by the Surveyor General and retrace the N bdy of the Tf as follows:

Oct 12 1899: at 10^h 00m a.m. h.m.t. my set of 41° 17' N on the lat are 7° 29' S on the decl arc and determine a true meridian with the solar at the cor of secs 3, 4, 33 and 34 on the N bdy of the township above described. Hence we run East on retracement line bet secs 3 and 34 descend through oak brush and scattering maples. Bottom of draw drains S 10° E ascend and leave maples.

7.00 Tf of small spur projects S.E. descend
Bottom of ravine drains S.W.
Spring Branch 3 lbs wide drains same. Ascend.

14.00 Tf of spur projects south.
descend.

21.50 Bottom of draw drains south
ascend.

39.43 Fall 87 lbs of old '94 see cor

Retracement of Hbdy of S & N R & E, continued.

lying on the ground, the same being a sandstone 10 x 6 x 18 ins plainly marked.

We rest same and raised mound of stone 2 ft base 1 1/2 ft high N of cor.

Pits impracticable

Ascend over rough rocky south slope.

- 8,000 ft of flat rocky brush bears N and S.

Fall 53 lbs worth of old cor of secs 2, 3, 34 and 35 which is a sandstone 10 x 8 x 18 ins above ground marked and intersected as described by the Surveyor General.

The course of this line is therefore $N 89^{\circ} 37' E$

Land mountainous.

Soil rocky 4th rate.

No timber.

Mountainous land or land covered with dense undergrowth on good obs.

East 1st sec 2 and 35-

Ascend gently.

1,500 descent gently.

35,000 rest edge of rocky brush. Descend rapidly.

40,777 Fall 38 lbs worth of old 1/4 sec cor which is a sandstone 16 x 8 x 18 ins above ground marked and intersected as described by the Surveyor General.

56,000 Head of hollow drains N.E. ascend and enter scattering pine timber

Retracement of N. Bdy of 96 N. R. & E.

7450	E. of spur projects north.
80.34	Fall 75 lbs north of old cor of secs 1, 2, 35 and 36 which is a sandstone 12x8x12 ins above ground marked and witnessed as described by the Surveyor General. The course of this line is therefore S 88° 28' E. Land mountainous. Soil rocky. 4th rate. Timber scattering pine in 24.34 chs. Mountainous land on S. S. S. chs. Alt 12,189 ft. At this cor we set off 751's on decl are and at 10th cor ... m. l.m.t. observe the sun on the meridian, the resulting lat is 41° 17' N
1000	East of secs 1 and 36 descend through pine timber head of hollow drains N.E. ascend
36.50	E. of rocky spur projects north. descend very abruptly over slide rock and ledges. Some pine timber.
39.78	Fall 40 lbs north of old 1/4 sec cor which is a sandstone 24x24x18 ins above ground marked and witnessed as described by the Surveyor General. descend rapidly.
52.50	Head of drain drains N.E.
78.00	Enter oak brush
79.78	Fall 81 lbs north of old cor

BULLS MOUNTAIN

Retracement of N. Bdy of T 6 N R 2 E. Continue

of Tps 7 N & 2 and 3 E therefore
described.

The course of this line is therefore
38° 25' E.

Land mountainous

soil rocky 41% rock

Timber pine on 36.50 chs.

Mountainous land on 79.78 chs.

Having found the eastern three
miles of the north boundary of T 6 N
R 2 E deflection in alignment
and measurement and knowing
that it will be necessary to close
sec 4 we return to cor of
secs 3, 4, 33 and 34 on N. bdy.
of T 7 and run.

West on retracement line
at secs 4 and 33.

ascend.

8.50 Top of rocky ridge bears N and S
descend gradually.

18.00 Bottom of small hollow drain
N.W. ascend.

38.50 Top of ridge bears N.E. and S.W. descend
fall 23 lbs south of old '4' sec cor
which is a boulder 10x8x4 ins.
above ground marked and witnessed
as described by the Surveyor
General.

descend.

39.00 Foot of steep descent.

- 78.95 Fall 57 lbs S of old cor of secs
4, 5, 32 and 33 which is a
quartzite boulder 10x8x6 ins
above ground marked and witnessed
as described by the Surveyor
General.

The course of this line is

Rebasement of N Body of T 6 N R 2 E continued.

Therefore 109°35' is
Local meridians
Grid roughly 3rd and 4th miles.
No timber.
Mountains stand over 28.500 ft.
Oct 1 - 1899

For General description see
Tables of subdivisions of this
township

Frank E. Parker,
David W. blossom,
U.S. Surveyors.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank E. Baxter and
David H. Blossom, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

the S. Boundary T. 1 S. R. 5 E.; E. Bdy. T. 1 S. R. 6 E.; E. N. Bdy. T. 1 S. R. 6 E.;
N. R. 6 E.; N. Bdy. T. 1 N. R. 5 E.; E. and N. Bdys. T. 2 N. R. 7 E.; E. and N.
Bdy. T. 2 N. R. 6 E.; E. Bdy. T. 2 N. R. 5 E.; E. Bdy. T. 2 N. R. 6 E.; E. Bdy. T. 2 N.
E.; E. Bdy. T. 2 N. R. 3 E. and N. Bdy. T. 2 N. R. 2 E. of the Salt Lake Base
Line, Utah.

Herr i Austin Roylance, Chainman.
Joseph Bagley, Moundman.
Leonard Diamond, Moundman.
I and Diamond, Axman.
Thos S. Roylance, Axman.
Harry Rager Chas C. Frie, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank E. Baxter and
David H. Blossom, United States Deputy Surveyor, in surveying all
the parts or portions of the
and S. Boundaries T. 1 S. R. 5 E.; E. Bdy. T. 1 S. R. 6 E.; E. N. Bdy. T. 1 S. R. 6 E.;
N. R. 6 E.; N. Bdy. T. 1 N. R. 5 E.; E. and N. Bdy. T. 2 N. R. 7 E.; E. and N.
Bdy. T. 2 N. R. 6 E.; E. Bdy. T. 2 N. R. 5 E.; E. Bdy. T. 2 N. R. 6 E.; E. Bdy. T. 2 N.
E.; E. Bdy. T. 2 N. R. 3 E. and N. Bdy. T. 2 N. R. 2 E. of the Salt Lake Base
Line, Utah.

meridian, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
monuments established, according to the instructions furnished by the United States Surveyor
General for

J W Grace G W Dougall, Chainman.
Dorsey Herr Cinston C. Frie, Chainman.
Joseph Bagley, Moundman.
Leonard Diamond, Moundman.
Leonard Diamond, Axman.
Thos S. Roylance, Axman.
Harry Rager Chas. C. Frie, Flagman.

scribed and sworn to before me this
day of Nov, 1809 } { Hugh W. Dougall
{ Notary Public



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Frank E. Baxter and David H. Blossom, United States Deputy Surveyors,
do hereby swear that, in performance of a contract required from
United States Surveyor General for *The State of Utah*, bearing date
the 21st day of *September*, 1847, we have well, faithfully, and truly, in the
proper persons and in strict conformity with the instructions furnished by the United States Surveyor
General for *The State of Utah*, the Manual of Surveying Instructions, and the laws of
United States, performed all those parts or portions of

*C. 1 N. R. C. E.; W. R. D. E.; E. 2 N. R. U. E.; E. and E.
R. D. E.; E. 3 N. R. S. E.; E. R. D. E.; E. R. D. E.; E. 3
N. R. E.; W. R. D. E.; E. 2 N. R. S. E. and N. R. S. E. of the Salt Lake
and Fort Union, Utah.* of the

meridian, in the *State of Utah*, which are represented in the
foregoing field notes as having been surveyed by us, and under our direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for *The State of Utah*, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1848.

Frank E. Baxter and David H. Blossom,
United States Deputy Surveyor.

Frank E. Baxter

Subscribed by said *Frank E. Baxter* and sworn to before me
this 21st day of *October*, 1847.

Jacob T. B. Blair
U. S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Valldafuity Estab, Oct 18, 1847

*Retirement of the North Boundary of
approximately to the North Range Line of the Salt Lake
District of Deer Creek, etc.*

executed by *Frank E. Baxter and David H. Blossom*
under Contract No. *202*, dated *September 21, 1847*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jacob T. B. Blair
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-262

3.6.

FIELD NOTES

relocation
OF THE SURVEY OF THE

Subdivisions

of

TEN-R & E

of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

R. E. Bishop and David H. Johnson, United States Deputy Surveyors
This survey was made pursuant to a written contract with the State
of Utah under his Contract No. 2023, dated January 21, 1897.

Survey commenced October 13, 1897

Survey completed October 13, 1897

Scale 1:64000

Instrument used - 12" F. & F. 6' 00 ft

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase.	Chairman.
Dorsey Herr.	Chairman.
J. W. Dougall.	Chairman.
Austin Roylance.	Chairman.
Joseph Bagley.	Recorder.
Leonard Diamond.	Recorder.
Leonard Diamond.	Clerk.
Thos. S. Roylance.	Clerk.
Harry Rogers.	Flagman.
Chas C. Friel.	Flagman.

Supplementary affidavits see book "B"

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

We, _____, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will pace over even and uneven ground, and plumb the tally pine, either by staking or dropping the corner; and we will report the true distances to all notable objects, and the true length of all lines, that we may, measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____.

Chains

Corner

Subscribed and sworn to before me this _____ day of _____, A.D. 18_____. I
V


SEAL

We, _____, do solemnly swear that we will well and truly perform the duties of ordnance, by the marking of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____.

Marking

Corner

Subscribed and sworn to before me this _____ day of _____, A.D. 18_____. I
V


SEAL

We, _____, do solemnly swear that we will well and truly perform the duties of engineer in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____.

Establishment

Corner

Subscribed and sworn to before me this _____ day of _____, A.D. 18_____. I
V


SEAL

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____.

Surveyor or Assistant Flagman

Subscribed and sworn to before me this _____ day of _____, A.D. 18_____. I
V


SEAL

Retracement of Subdivisions of T 6 N or 2 E.

Retracement commenced Oct 15 1877
and executed with Tros W and L.E.
Gould light meridian transits
with solar attachments for a
description of which see book. J. H.

For complete test of solar apparatus
see notes of retracement of 1st
Bdy of this T of book. J. H.

Oct 15 1877: At 8⁴⁰ a.m. m. Lmt.
or set of 41° 14' N on lot arc 7° 49' S
on decl. arc and determine a
true meridian with the solar
at the cor of secs 13, 14, 23 and
24 on the East bdy of the T of
herefore described from which
we run

58° 44' S on retracement line
bt secs 13 and 24 descend.

9.25 Bottom of draw drains N.W.
ascend.

20.00 Top of spur projects N.W. descend.
Bottom of draw drains N.W.
ascend.

39.64 Fall 5 ft N of old 1/4 sec cor which
is a boulder 10x5x8 ins above
ground plainly marked but not
properly staked. We raised a
mass of stone 2 ft base 1 1/2 ft
high N of cor.
This impracticable.

ascend.

43.00 Top of spur projects N.W.
descend.

66.25 Bottom of draw drains N
ascend

79.28 Fall 7... ft N of old cor of
secs 13, 14, 23 and 24 which is
a boulder 8x6x7 ins above
ground plainly marked but
not properly staked.
We raised a mass of

DRAFT

a Retracement of Subdivisions of T 6 N R 2 E.

stone 2 ft base 1 $\frac{1}{2}$ ft high W of cor
Pits impracticable.

The course of this line is therefore
S 89 $\frac{1}{2}$ W.

Land mountainous.

Dirt rocky, 4th rate.

No timber.

Mountainous land on 72.28 aro.

North lat secs 13 and 14

Descend over rough mountainous
land and through oak brush.

Bottom of draw drains N.E.

Fall 10 ft west of old 1/4 sec
cor which is a sandstone 11x9
x 18 ins above ground plainly
marked but not properly witnessed.

We raised a mound of stone
2 ft base 1 $\frac{1}{2}$ ft high west of cor.
Pits impracticable

Enters large rocks and loose
oak brush.

Point of spur projects N.E.

Leave rocks descend.

Enters oak brush.

Fall 25 ft west of old cor
of secs 11, 12, 13 and 14 which
is a boulder 8x6x7 ins above
ground plainly marked but
not properly witnessed. We
raised a mound of stone 2 ft
base 1 $\frac{1}{2}$ ft high west of cor.
Pits impracticable

The course of this line is
therefore N 89 $\frac{1}{2}$ E.

Land mountainous.

Dirt rocky, fourth rate.

No timber.

Mountainous land on 80 or so

Retracement of Subdivisions of 96 N.R. S.E.

North lat sec 11 and 14.

descend over mountainous land through oak brush.

14.00 Enter bottom of Ogden canon leave oak brush enter willows.

15.00 Left bank of Ogden river drains N.W.
Right bank of river.

17.00 Leave bottom of canon. Ascend

17.50 wagon road bars N.W. and S.E.

40.00 Fall 1/2k East of old 1/4 sec cor which
is a sandstone 30 x 30 x 24 ins
above ground plainly marked
but not properly witnessed.

No raised mound of stone 2 ft.
base 1 1/2 ft high N of cor.

Pits impracticable.

The course of this line is
therefore N. 00' W

Land mountainous.

Soil rocky, 4th rate.

No timber.

Mountainous land and dense
undergrowth on 40.00 chs.

East lat sec 11 and 14

Ascend abruptly through oak
brush.

Top of rocky point projects west.
Descend abruptly.

31.00 Left bank of Ogden river drains
S.W.

31.60 Right bank of river.

39.50 wagon road bars N.E. and S.W.

41.61 Fall 57 lbs south of old 1/4 sec
cor which is a boulder 12 x 10
x 12 ins above ground plainly
marked but not properly witnessed
No raised mound of stone
2 ft base 1 1/2 ft high N of cor

Reassessment of subdivisions of T6N R2E.

	Pits impracticable
47.26	Spring branch 3 ft wide drains S.
82.25	Fall 64.46s N of old cor. of secs 10, 11, 14 and 15 which is a quartzite 16 x 4 x 12 ins above ground marked and witnessed as described by Surveyor General.
	The course of this line is therefore 11 84 33 m.
	Land mountainous.
	Soil stony 3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 82.25s. Oct 13 1899 At this cor or set off 7°54' on decl are and at 12 noon a.m. L.M.T. observe the sun on the meridian. ✓ The resulting lat is 41°15' N

	North bet secs 10 and 11 ascend gradually.
20.00	Enters oak brush.
27.00	small spur projects 82° w.
31.50	marsh drains 830° w.
40.22	Interest old $\frac{1}{4}$ sec cor which is a boulder 8 x 6 x 10 ins above ground plainly marked but not properly witnessed.
	in raised mound of stone 2 ft base $\frac{1}{2}$ ft high or 2 cor.
	Pits impracticable.
	Land mountainous.
	Soil stony 3rd and 4th rate.
	No timber.
	Mountainous land on 40.22 ins.
	note: The course of this line is therefore north.

Retracement of subdivisions of GENEVA

88°40'W lat sees 10 and 15.

Ascend gradually over rolling land.

9.00 Gully drains S.W.

40.09 Fall 2 lbs S of old 14 sec cor which is a boulder 8x6x8 ins above ground marked and witnessed as described by the Surveyor General.

56.00 Enter ploughed field.

64.00 Lean field.

66.00 Small frame house bears N 15° E
dirt.

68.00 drain drains S.W. Ascend.

80.20 Fall 5 lbs S of old cor of sees 9, 10, 15 and 16 which is a boulder 16x5x10 ins above ground marked and witnessed as described by the Surveyor General.

The course of this line is therefore 88°42' W.

Land mountainous and rolling.

Soil gravelly 3rd rule.

No timber.

Mountainous land on 72.20 chs.

Oct 13 1899. At 3:00 p.m.
Lat. t. we set off 41°15'N or
lat arc 7°56' S on decl arc and
determine a true meridian
with the solar at the cor of
secs 9, 10, 15 and 16.

Surface on river.

North but see 9 and 10

Ascend over mountainous land.

Top of spur projects S.E.

10.00

Retracement of Subdivisions of 96 N B2 E

18.00	Bottom of head of draw drains S.W. ascend.
30.00	Top of ridge bars 580 m and N 80° E corner of fence about 10 lds east bars N and S and E and W. descend.
39.70	Fall 37 lds west of old 1/4 sec cor which is a sandstone 10 x 4 x 10 in above ground marked and witnessed as described by the Surveyor General. descend.
42.00	Bottom of Kelley Canyon. Spring branch 3 lds wide draws 880 m ascend.
42.50	wagon road bars N 80° E and S 80° W.
79.30	Fall 57 lds W of old cor of secs 3, 4, 9 and 10 which is a boulder 8 x 6 x 8 ins above ground marked and witnessed as described by the Surveyor General. The course of this line is therefore N 024° E Land mountainous. Soil gravelly 3rd rate. No timber. Mountainous land on 79.30 ds.

0.10	East lot secs 3 and 10 descend.
12.00	Wire fence bars N and S. Continue descending through scattering sage and oak brush.
27.00	Bottom of draw drains S.W. ascend.
38.00	Top of spur projects S.W. descend bottom of draw drains S.W.

Reinforcement of subdivisions of 96 in R 2 E

Lean brush and ascend.

39.74 Fall 5 lbs south of old 1/4 sec cor which is a quartzitic boulder 8 x 8 x 12 in above ground properly marked but not properly witnessed. Therefore we raised a mound of stone 2 ft base 1 1/2 ft high N of cor.

Pits impracticable.

The course of this line is therefore
N 89° 56' E

Land mountainous.

Soil gravelly 3rd rate.

No timber.

Mountainous land on 3974 chs.

N 89° 30' W but sees 4 and 9 ascend.

3.5° Top of ridge bears N.E. and S.W. descend.

31.6° Bottom of ravine drains S.W.
39.74 Fall 30 lbs N of old 1/4 sec cor which is a boulder 8 x 7 x 8 ins above ground marked and witnessed as described by the Surveyor General.

Ascend.

Top of low ridge bears N.E. and S.W. descend.

64.0° Foot of descent.

79.5° Fall 6 1/2 lbs N of old cor of sees 4, 5, 8 and 9 which is a sandstone 10 x 8 x 10 ins above ground marked and witnessed as described by the Surveyor General.

The course of this line is therefore N 89° 57' W

Land mountainous.

Soil gravelly

Re-tracement of subdivisions of T6 N - R2 E

2nd and 3rd rate.

No timber.

Mountainous land on 795-2 des.
Oct 13 1889.

For General Description see notes
of subdivisions of this
Township.

Frank C. Baxter
David H. Blossom
U.S. Dist. Surveyors

Volume

#

R0262

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from....., bearing date of the....., United States Surveyor General for....., day of....., 189....., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of.....

.....of the.....

.....meridian, in the.....of....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for.....and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said....., and sworn to before me }
this.....day of....., 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

W. L. L. C. P. Oct 8 1900, 1890
rebutment of the publications of Surveyor
John M. & East of the Salt Lake Road and
Meredith Oct 8, 1890

executed by *W. L. L. C. P. Oct 8 1900, 1890*
under his contract No. *Q. S. P.*, dated *Oct 8, 1890*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

J. A. B. B.
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in....., has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

3

BOOK A-262

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

T 6 N - R 2 E

of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

*E. B. Dixie and David H. Bissell, United States Deputy Surveyors,
under his Contract No. 223, dated January 21, 1897*

Survey commenced October 14 - , 1897

Survey completed October 14 - , 1897

G-161

*Sabtu. morn. 7- 3³- 33 ✓
" Morn. - 7- 13 ✓*

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase. Chairman.
Dorsey Harr. Chairman.
J. M. Dougall. Chairman
Austin Roylance. Chairman
Joseph Bagley. Moundman.
Leonard Diamond. Moundman
Leonard Diamond. Examiner.
Thos A Roylance. Examiner.
Harry Roger. Flagman.
Chas C Friel. Flagman.
I preliminary affidavits see book "B"

BOOK A-262

INDEX DIAGRAM.

Township *Range*

10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corne and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



Subdivisions of Ton - or 2 E

Survey commenced Oct 14 1899.
and executed with two 20 and 3.5
Burley light mountain transit
with solar attachments for a
description of which see ^{of 14}
For complete test of solar apparatus
see notes of rebracement of N bdy
of this ^{of 14} ~~of 14~~

Oct 14 1899. at 8^h 00 m a.m. bmt.
on ad of 4¹ 15N on lat arc $8^{\circ} 11' S$
on decl arc and determine a
true meridian with the solar
at the end of secs 11, 12, 13 and 14
herefore described.

Thence we run N 8^o 41' E on a
random line bet secs 12 and 13
set temp $\frac{1}{4}$ sec cor.

4.000 79.30 Intersect E bdy of ^{of} Falls # of
cor of secs 7, 12, 13 and 15 herefore
described.

Thence we run
S 8^o 43' E on a true line bet
secs 12 and 13 over mountainous
land through dense oak brush
ascend.

15.00 Top of spur 200 ft high projects
N.E. descend on very rough
N slope.

21.00 Bottom of small drain N
ascend.

28.00 Top of spur projects N.W.
descend abruptly.

39.30 In order to throw fractional
distance against East bdy
of ^{of} we,

Set a sandstone 18 x 12 x 6 ins
12 ins in the ground for
 $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N
face and raised a mound
of stone 2 ft base $1\frac{1}{2}$ ft high
N of cor. Pits impracticable

Subdivisions of 56 N or 2 E

58.00	Bottom of draw drains N. ascend.
63.00	Top of spur projects N.W. descend abruptly.
66.00	Bottom of gulch drains N.W. ascend.
69.00	spur projects N. descend.
70.00	Bottom of ravine drains North. Ascend.
- 79.30	The cor of secs 11, 12, 13 and 14 Land mountainous. Soil rocky. 40% rock. No timber. Mountainous land on 79.30 due

Lat = 41° 15' S. - at 9600 m. a. m. l. m. b.
or set of 41° 16' S. on lat are 8° 13' S
on decl are and determine
a true meridian with the
solar at the old $\frac{1}{4}$ sec cor lat
secs 11 and 12 before
described.

True meridian run No 01 in
bt secs 11 and 12
ascend.

Top of spur projects S.E.
descend.

Bottom of draw drains S.E.
ascend abruptly.

- 40.00 Set a sandstone 18x10x6 ins
12 ins in the ground for
cor of secs 1, 2, 11 and 12
marked with 6 notches on
S and 1 notch on E edges
and raised a mound of
stone 2 ft high $1\frac{1}{2}$ ft
base w of cor

Subdivisions of 76 N-8 E

Pits impracticable.
Land mountainous.
Dirt rocky, 3rd rate.
No timber.
Mountain land and
dense undergrowth on
4000 ft elev.

N 89 43 E on a random
line bet secs 1 and 12.

- 40.00 Set line $\frac{1}{4}$ sec con.
- 79.53 Intersect Ebdy of 7f 22 ft ss
S of con of sec 1, 6, 7 and 12
herefore described,
Eidence on line S 89 34 E on
a line line bet secs 1 and 12.
Ascend through oak brush.
- 5.50 T f of spur projects - S 20 E.
Discard.
- 18.50 Bottom of draw drains S.E.
Ascend and leave oak
brush.
- 33.40 T f of rocky spur projects.
S 20 E. Discard.
- 39.53 In order to place fractional
distance adjacent to east bdy
of 7f m
Set a sand stone 16 x 12 x 4 inns
11 inns in the ground for $\frac{1}{4}$ sec
con marked $\frac{1}{4}$ on N face and
raised a mound of stone
2 ft base 1 $\frac{1}{2}$ ft high N of con
Pits impracticable.
Discard.
- 44.50 Bottom of gulch drains S
Ascend abruptly.
- 56.30 T f of ledge spur projects S
Discard.

100 ft -

Subdivisions of T C N - R 2 E

69.00	Foot of abrupt descent descend gradually. The cor of secs 1, 2, 11 and 12. Land mountainous. Soil rocky 4% rate. No timber. Mountainous land on 79.53 ch.
79.53	
2000	knowing from previous retracements that a closing cor bet secs 1 and 2 on the N bdy of the Tg will be necessary we run No 01 or on a true line bt secs 1 and 2. over rough mountainous land through scattering oak brush. Ascend.
22.00	Foot of ledge spur projects west. Ascend abruptly.
34.00	Top of ledge spur 150 ft high projects west. descend.
38.00	descend abruptly. Hollow in ledge drains west. Ascend.
40.00	Corner. falls on rock in place which is a sandstone 2 x 1 x 3 ft above ground. which is marked with a cross(X) at exact cor point and $\frac{1}{4}$ on W. face. Raised around of stone 2 ft base $1\frac{1}{2}$ ft high w/ cor. Pits impracticable.
43.00	Ascend very abruptly. Top of rock ridge bears $N 2^{\circ} W$ and $370^{\circ} E$. descend through scattering oak

Subdivisions of 96 or 2 E.

	brush.
60.00	Head of draw drains N 30° E ascend and enter scattering pine timber.
76.73	Intersect N bdy of T 166 chs S 89° 25' E of cor of sec 1, 2, 35 and 36 heretofore described. Set in sandstone 16x10x6 ins 11 ins in the ground for closing cor of sec 1 and 2 marked C.C. on S with 5 grooves on W and 1 groove on E face and raised a mound of stone 2 ft base 1 1/2 ft high S of cor Pits impracticable. No destroying all marks on old cor pertaining to sec 1 and 2. Land mountainous. Soil rocky. 40% rock. Timber pine on 16.73 chs. Mountainous land on 76.73 chs.

Oct. 14-1899 At 2^h 00 m p.m. but
in set off 41' 16" on lat are 5' 18"
S on decline and determine
a true meridian with the solar
at the cor of sec 1, 2, 11 and 12
heretofore described.

No line run west on a
trial line in order to determin-
ine the true course of the S
boundaries of sec 2 and 3.
at 122.29 chs on full 32.46 N of
old 1/4 sec cor but sec 3 and 10
heretofore described. Between them 5 cor of
sec 1, 2, 11 and 12 and run S 89° 57' W on

Austalvisions of 96 Nov 25.

	a tree line bet sec 2 and 11. descend.
10.00	Bottom of ravine drains S ascend.
3.00	Top of rocky ridge bet N and S. descend. through oak brush.
40.00	Set a quartzite boulder 17x4x7 ins 12 ins in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face and raised a mound of stone 2 ft base $\frac{1}{4}$ ft high N of cor. This impracticable. descend.
49.00	Bottom of ravine drains S leaves oak brush. ascend.
64.25	Top of rocky spur projects down. descend.
- 80.00	Since the width of the Valley of sec 11 is 82.25 ch and a cor common to secs 2 and 3 only will be necessary Therefore at this point or set a quartzite boulder 16x10x8 ins 11 ins in the ground for corner common to secs 2 and 3 only marked with 5 notches on S and 2 notches on E edges and raised a mound of stone 2 ft base $\frac{1}{4}$ ft high N of cor. This impracticable. Land mountainous. Soil rocky & stony. No timber Mountainous land on 8000 ch.

In order to complete the

Subdivisions of T.C.N.R.Z.E.

	S bdy of sec 3 we continue from the cor of secs 2 and 3 only described above. Sod 51' is on a line line on S bdy of sec 3. descend. entis oak brush.
4.00	Bottom of draw drains S 25° E ascend through oak brush.
8.60	Tg of ridge bears 5200' and N 20 E. leave oak brush.
23.00	Intersect old 1/4 sec cor bet secs 3 and 10 heretofore described.
42.29	Land mountainous soil rocky, 40% rock. No timber. mountainous land on 42.29 chs.

In order to complete boundaries
of secs 10 and 11 we proceed to
old 1/4 sec cor bt said secs
heretofore described and run
N 0° 2' w on a line line bet
secs 10 and 11.

Ascend along East slope.

wire fence bears 500' m and
N 50 E

Tg of spur projects S.E. descend
through thick oak brush.

Bottom of rocky ravine drains
S.E. Ascend.

Intersect S bdy of sec 3 2.29 chs
189.51' w of cor of secs 2 and
3 only heretofore described.

Set an sandstone 15x10x4 ins
12 ins in mound of stone (impos-
sible to dig on account of rock)
for closing corner of sec.

11. 30

Subdivisions of 96 on P 2 E.

	<p>10 and 11 occupied C.C. on S with 5 grooves on S and 2 grooves on E faces and raised a mound of stone 2 ft base 1$\frac{1}{2}$ ft high 1 of cor. Pitt impracticable. Soil mountainous, Soil rocky, 4% rate. No timber. Mountainous land and dense under growth on 35.93 acs.</p>
20.57	<p>From cor of sees 2 and 3 only or run N 0 02 W on a true line bet sees 2 and 3 Ascend abruptly among loose rock. Foot of abrupt ledges 25° ft high Impossible to continue further on true line and as $\frac{1}{4}$ sec cor will fall in precipitous ledge and can not be set on mark a cross (X) and w.c. $\frac{1}{4}$ on face of ledge at this point for a witness corner to $\frac{1}{4}$ sec cor and raised a mound of stone 2 ft base 1$\frac{1}{2}$ ft high 1 of cor Pitt impracticable We then run on offset line as follows. west 11.50 chs then N 0 02 W along west side of ledges. $\frac{1}{4}$ sec cor falls in ledge and can not be set</p>
40.00	<p>At this point we offset East 11.50 chs to true line bet sees 1 and 2 Then N 0 02 W on true line</p>
73.00	<p>End of rocky hollow drains S.W. Ascend abruptly.</p>

Subdivisions of T 6 N - R 2 E.

- 77.75- Top of rock brush marks N and S
interval N body of 9 ft 1.05 chs
58° 20' E of old cor of secs 2, 3, 34
and 35 heretofore described.
Set a sandstone 18 x 12 x 4 ins
12 ins in the ground for stone
cor of secs 2 and 3 marked C.C.
on S with 2 grooves on E and
4 grooves on surface and
raised a mound of stone 2 ft
base 1 $\frac{1}{2}$ ft high S of cor.
This impracticable
We destroy all marks on
old corne pertaining to secs
2 and 3.
Land mountainous.
Soil rocky, 4 th rate.
No timber.
Mountainous land on 77.75-chs.

In order to make N body of sec
3 8000 chs in width and more
fractional distance against old
work we proceed as follows
At a point 2.03 chs N 69° 56' E from
old cor of secs 3, 4, 8 and 10
heretofore described we set a
sandstone 16 x 8 x 6 ins 11 ins in
the ground for cor common to
secs 3 and 4 only marked with
3 notches on E and 5 notches
on S edges and raised a mound
of stone 2 ft base 1 $\frac{1}{2}$ ft high N
of cor.

This impracticable.
We also destroy all marks
on old cor pertaining to secs
3 and 4.

Please, we run

Subdivision of T 6 N - R 2 E.

	N 0° 02' W in a true line bet secs 3 and 4. Ascend through scattering maple and oak brush.
10.00	Top of spur projects S.W. Thence along w. end slope through thick oak and maple under- brush descending.
35.00	Bottom of Maple canon drains D 25° W ascend abruptly and leave thick brush.
40.00	Set a quartzite boulder 10x12 x 8 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on w face and raised a mound of stone 2 ft base 1 1/2 ft high w of cor. Pits impracticable. Ascend.
50.00	Top of spur projects S.E. descend also under thick brush.
55.00	Head of drain drains S.E.
77.00	Ascend small maples.
78.80	Intersect N bdy of T 6 N 1.63 dms S 59° 37' E of old cor of secs 3, 4, 33 and 34 heretofore described. Set a quartzite boulder 18x12x8 ins 12 ins in the ground for closing corner of secs 3 and 4 marked C.C. on S with 3 grooves on E and W faces from which a maple 5 ins diam bears S 63° W 25 dms dist marked T 6 N R 2 E S 4 B.T. A maple 4 ins diam bears S 62° E 8 dms dist marked T 6 N R 2 E S 3 B.T. Land mountainous

Subdivision of T 6 N - R 2 E.

Soil stony 3rd rule.
 Timber maple on 150 acres.
 Mountainous land on
 75.00 acres.

Oct-14 1899

General Description.

The portion of this township surveyed by us was very rough and rugged. Secs 1 and 2 are composed mostly of sandstone benches surrounded by very steep and precipitous ledges. There is some fine timber in the northern portion of secs 1 and 2. Secs 3 and 10 contain some good grazing land and the southern portion of secs 11 and 12 are well adapted for grazing.

A deep canon drains across the southeastern portion of the part surveyed by us N.E. & S.W.

There are no indications of mineral in the township.

Frank E. Baxter
 David A. Blossom,
 U.S. Day Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
....., United States Deputy Surveyor, in surveying all
those parts or portions of the

..... of the

..... meridian, of, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



BOOK 125

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of _____ day of _____, 189_____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the
meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____
}



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, October 8th 1890
*The Subdivision of Townships
in Salt Lake & East of the Salt Lake Edge & District
Utah*

The foregoing field notes of the survey of _____, executed by _____, under his contract No. 223, dated January 21, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jan 26 1893
James A. Blaine
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-262

FIELD NOTES

OF THE SURVEY OF THE

X.3.10.

SubdivisionsofT2N - R1Wof the Salt Lake Base and Meridian,State of Utah

AS SURVEYED BY

Baxter and David H. Winslow, United States Deputy Surveyors
Under their Contract No. 223, dated January 21, 1898,
Survey commenced October 20, 1898,

Survey completed October 21, 1898

6-151

Resurvey Lots - high	31. 00. 00 -
" " low	59. 00 ✓
	67. 00 1, 6 00

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chairman
Dorsey Herr	Chairman
J. W. Dougall	Chairman
Anetis Royleance	Chairman
Joseph Bayley	Recorder
Leonard Diamond	Recorder
Leonard Diamond	Officer
Thos A Royleance	Officer
Harry Rager	Flagman
Chas C Frish	Flagman
For preliminary affidavits see book "B"	

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
....., Chainmen, Chainmen

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of
....., Moundmen, Moundmen

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
....., Axmen, Axmen

Subscribed and sworn to before me this }
day of , 189 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of
....., Flagman, Flagman

Subscribed and sworn to before me this }
day of , 189 }



Survey of subdivisions of T. 2 N. R. 1 W.

Resurvey commenced Oct 20 1899
and executed with a 15 and L.E.
burley light mountain transit
with solar attachment for a
description of which see book ^{7th} of
the ^{7th} volume of the adjustment of
the transit and correct the level and
collimation errors; then to test
the solar apparatus by comparing
its indications resulting from
solar observations made during
a.m. and p.m. hours with a
true meridian determined by
observations on Polaris we proceed
as follows.

At the cor of secs 15, 16, 21 and
22 which is a fine soft 2x2 in
24 ins above ground with no
vertical joints, latitude $40^{\circ}5'5''N$
longitude $111^{\circ}57'W$ or in set 786
 $40^{\circ}53'N$ on the lat are $10^{\circ}30'S$ on
the decl are and at $3^{\text{h}}00^{\text{m}}$ p.m.
determine with the solar a true
meridian and mark a point
thereof on a plug firmly driven
in the ground 5.00 chs $\frac{1}{2}$ of our
station.

Oct 20 1899

Oct 21 - 1899: At $5^{\text{h}}18^{\text{m}}$ a.m. l.m.t.
we observe Polaris at western
elongation. in accordance with
the manual of instructions
and mark a point in the line
thus determined, on a plug
driven in the ground 5.00 chs
 $\frac{1}{2}$ of our station.

At $7^{\text{h}}00^{\text{m}}$ a.m. l.m.t. we lay
off the azimuth of Polaris $1^{\circ}38'$
to the east and mark the
true meridian thus determined

Resurvey of subdivisions of T 2 N R 1

by a pencil mark on the stake set Oct 20 1899 on which the true meridian falls 0.2 mns east of the mark determined by the solar.

At 8:00 a.m. l.m.t. we set off $40^{\circ}53'N$ on the lat arc $10^{\circ}44'S$ on the deal arc and mark a point in the true meridian determined with the solar by a pencil mark on the stake already set 6:00 a.m.s N of our station; this mark falls 0.3 mns east of the true meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for true meridians respectively about $0'11''$ west and $0'16''$ east of the true meridian established by the Polaris observation, therefore we conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8:30 a.m. l.m.t. is $N16^{\circ}28'W$; the angle thus determined reduced by the table page 100 of the Manual gives the mean mag decl $16^{\circ}25'E$.

Preliminary to commencing the subdivision of the un-subdivided portion of this township we resurvey the boundaries of sec 16 as follows.

The old cor of secs 15, 16, 21 and 22 being a pine post 2x2 ins 24 mns above ground badly decayed we re-establish the same as follows.

Deposited a quart of charcoal

Reservoir of Subdivisions of T 2 N R 1 E

12 ins in the ground for cor of
sies 15, 16, 21 and 22; dug pits
18 x 18 x 12 ins in each see 4 ft
dirt and raised a mound of earth
4 ft base 2 ft high over deposit.

In S.E. pit drove a pine stake
2 ft long 2 ins square 12 ins
in the ground marked T 2 N S 15-
on N.E.

R 1 m S 22 on S.E.

S 21 on S.W. and

S 16 on N.W. faces; with 3 notches
on S and E edges.

Then we run

North but sees 15 and 16
over flat muddy bottom.

After diligent search no traces
of old $\frac{1}{4}$ sec cor can be found
Therefore at this point we
deposited a quart of charcoal
12 ins in the ground for $\frac{1}{4}$ sec
cor; dug pits 18 x 18 x 12 ins
N and S of cor 4 ft dirt and
raised a mound of earth
3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high over
deposit.

In S pit drove a pine stake
2 ft long 2 ins square 12 ins
in the ground marked

$\frac{1}{4}$ S 16 on W and

S 15 on E faces.

We then continue our line
North over very marshy bottom.

After diligent search no old
meander cor for fract sees
15 and 16 can be found; therefore
at this point we deposited a
quart of charcoal 12 ins in
the ground for meander cor
of fract sees 15 and 16; dug
a pit 36 x 36 x 12 ins 5 ft $\frac{1}{2}$ of

Survey of subdivisions of Twp Q 1 t.

cor; and raised a mound of earth 4 ft base 2 ft high over deposit.

In the pit above a pine stake 2 ft long 2 ins square 1 2 ins in the ground mashed

N.C. on N

T 2 N on S

R 1 1/2 S 15 on E and S 16 on W faces.

Land level.

Soil black loam

2nd rate

No timber.

Land level on 5300 elev.

From cor of secs 15, 16, 21 and 22 re established by us we run west bet secs 16 and 21 over marshy bottom.

9.30 Right bank or high water mark of Jordan River where we establish new meander cor as follows.

Deposited a quart of charcoal 1 2 ins in the ground for meander cor of first secs 16 and 21 along a pit 36 x 36 x 1 2 ins 5 ft. East of cor; and raised a mound of earth 4 ft base 2 ft high over deposit. In pit above a pine stake 2 ft long 2 ins square 1 2 ins in the ground mashed.

N.C. on W

T 2 N on E

R 1 1/2 S 16 on N and S 21 on S faces.

Enter rushes

East edge of eastern channel of

14.00

31.50

Survey of Subdivisions of T 2 N - S 1 W

	Jordan river drains N west edge of same channel.
35.75	
40.00	Center of Main or center channel of Jordan river 5-0 1/2 miles down North. No old "4 sec cor can be found and it is impossible to set one at this point.
45.00	West bank or high water mark of Jordan river drains North. We establish new meander cor and witness cor for 1/4 sec cor as follows. Deposited a quart of charcoal 12 ins in the ground for meander cor of front secs 16 and 21; dug a pit 36 x 36 x 12 ins & ft E of cor and raised a mound of earth 4 ft base 2 ft high over deposit. In the pit drove a pine stake 2 ft long 2 ins square 12 ins in the ground marked N.C. on E.
	T 2 N on W
	R 1 W S 21 on S and S 16 on N faces also dug a pit 18 x 18 x 12 ins E of cor 4 ft dirt in which we drove a pine stake 2 ft long 2 ins sq 12 ins in the ground and marked same W.C. 1/4 S 16 on N and S 21 on S faces
49.00	Intersect old meander cor for right bank of Jordan river (the channel having changed its course) which is a pine stake 2 x 2 ins 12 ins above ground marked and witnessed as described by Surveyor General.
51.50	Intersect old meander cor for left bank of Jordan river

Resurvey of Subdivisions of T 2 N - 5

73.00

which is a pine stake 2x2 in
12 in above ground marked
and witnessed as described
by Surveyor General.

After diligent search no old
meander cor of fract sees 16 and
21 could be found therefore at
this point we
deposited a quart of charcoal
12 in in the ground for old
meander cor of fract sees 16 and 21
dug a pit 36 x 36 x 12 in 5 ft
East of cor and raised a mound
of earth 4 ft base 2 ft high over
deposit.

In pit drove a pine stake 2 ft
long 2 in square 12 in in
the ground marked

N.C. on W

T 2 N on E

R 1 or 516 on N and

S 21 on S faces.

Land level.

Soil black loam (alkaline)
2nd rate.

No timber.

Land level on 73.00 chs.

Dense undergrowth on 59.00 chs.

Lat 41° 15' 29"

For General description see
notes of subdivisions of
this township.

Frank E. Baxter
David A. Blasone
U.S. Dep Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank E. Boxter and

David H. Blossom, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

Subdivisions of T. 1 S. R. 5 E.; T. 1 S. R. 6 E.; T. 1 N. R. 5 E.; T. 2 N. R. 5 E.;
T. 3 N. R. 7 E.; T. 3 N. R. 6 E.; T. 3 N. R. 2 E. and T. 2 N. R. 1 W. of the Salt
Lake Base and Meridian, Utah.

Dorsey Herr Austin Roylance, Chainman.
Joseph Bagley, Moundman.
Leonard Diamond, Moundman.
Leonard Diamond, Axman.
Thos. S. Roylance, Axman.
Harry Rager and Chas. C. Friel, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank E. Boxter and

David H. Blossom, United States Deputy Surveyor, in surveying all

those parts or portions of the Baseline _____, which are represented

Subdivisions of T. 1 S. R. 5 E.; T. 1 S. R. 6 E.; T. 1 N. R. 5 E.; T. 2 N. R. 5 E.;
T. 3 N. R. 7 E.; T. 3 N. R. 6 E.; T. 3 N. R. 2 E. and T. 2 N. R. 1 W. of the Salt
Lake Base and Meridian, Utah.

meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

General for Utah.

J.W. Chase J.W. Donald, Chainman.
Dorsey Herr Austin Roylance, Chainman.
Joseph Bagley, Moundman.
Leonard Diamond, Moundman.
Leonard Diamond, Axman.
Thos. S. Roylance, Axman.
Harry Rager Chas. C. Friel, Flagman.

Subscribed and sworn to before me this

day of Nov.

, 1899



George W. Dougall
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

W. Grace E. Baxter and *David A. Blasius*, United States Deputy Surveyors
solemnly swear that, in pursuance of a contract received from *Jacob W. Blair*
United States Surveyor General for *The State of Delaware*, bearing date of th
day of *June 11, 1890*, have well, faithfully, and truly, in my own
proper persons and in strict conformity with the instructions furnished by the United States Surveyor
General for *The State of Delaware*, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of *the State of Delaware*.

Subdivisions of T.1 S.R.6 E.; T.1 S.R.6 E.; T.1 N.R.6 E.; T.2 N.R.6 E.;
T.3 N.R.7 E.; T.3 N.R.6 E.; T.3 N.R.7 E. and T.2 N.R.1 W. of the Salt
Lake Base and Division, Utah.

meridian, in the *Indicates lots N.W., R.22, sec. 42, drawn January 20, 1890* of *the State of Delaware*, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for *The State of Delaware*, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

W. Grace E. Baxter *David A. Blasius*

United States Deputy Surveyors

Subscribed by said *W. Grace E. Baxter* and *David A. Blasius*, and sworn to before me
this *21* day of *June 1900*. *480*

Jacob W. Blair
U.S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Delaware, October 8, 1900

W. Grace E. Baxter and *David A. Blasius*,
The foregoing field notes of the survey of *the Second Section of Township*
Range 1 West of the Second Principal Meridian, Delaware,
executed by *W. Grace E. Baxter* and *David A. Blasius*, dated *June 11, 1890*
under my contract No. 223, dated *January 20, 1890*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Jacob W. Blair

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in *the State of Delaware*, has been correctly copied from the original notes on file in this office.

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BOOK A-262

FIELD NOTES

OF THE SURVEY OF THE

X. A. B.
Subdivisions and

Meanders

of

T2 N - R1 W

Of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

Frank E. Beale and David A. Blossom, United States Deputy Surveyor,
 Under their Contract No. 223, dated January 21, 1899
 Survey commenced October 21, 1899
 Survey completed October 22, 1899

G-151

		M. ch. 215-
Surveyors	height	1-51- 84 ✓
"	low	2-35- 80 ✓
Meanders	height	1-02- 80 ✓
"	low	3-63- 03 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. M. Chase Chairman.
Dorsey Herr Chairman.
J. W. Dougall Chairman.
Austin Roylance Chairman.
Joseph Bagley Moderator.
Leonard Diamond Moderator.
Leonard Diamond Chairman.
Phos A. Roylance Chairman.
Harry Roger Flagman.
Chas. C. Friel Flagman.

To file in ring of official ice book "C"

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



Subdivisions of T 2 N R 1 W.

Survey commenced Oct 21, 1898
and executed with a mound L.E.
Burley light mountain transit
with solar attachment for a
description of which see book ⁷¹⁴
For complete test of solar
apparatus see notes of resurvey
of subdivisions of this of book ⁷²⁵
of Oct 21, 1898 at 02⁴⁰ m p.m.

b.m. b m set off $40^{\circ}54'$ nor the
lat arc $10^{\circ}50'$ on the due arc
and determine a true meridian
with the solar at the old meander
end of fract scts 15 and 16 re-
established by us.

Three m run

N 002 W on a true line bet
scts 15 and 16 the present water
level of the lake being lower than
when previous survey was made.

27.00 deposited a quart of charcoal 12 ins
in the ground for cor of scts 9, 10
15 and 16; dug pits 18x18x12 ins
in each side 4 ft dist and
raised a mound of earth 4 ft
base 2 ft high over deposit.

In S.E. pit drove a pine stake
2 ft long 2 ins square 12 ins in
the ground marked

T 2 N S 10 on N.E.

R 1 W S 16 on S.E.

S 16 on S.W. and

S 9 on N.W. faces with 4 notches
on S and 3 notches on E edges.

Land level.

Soil black alkaline loam.

Land rate.

No timber.

First Survey on 27.00 chs.

Subdivisions of T 2 N R 1 W.

	From cor of secs 9, 10, 15 and 16 on line 4002' w lat sec 9 and 10. Over flat muddy bottom. Deposited a great of charcoal 12 ins in the ground for $\frac{1}{4}$ sec cor dug pits 18x18x12 ins N and S of cor 4 ft dist and raised a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high over deposit. In S pit drove a pine stake 2 ft long 2 ins square 12 ins in the ground marked $\frac{1}{4}$ S 9 on W and S 10 on E faces.
70.00	Present shore line of Great Salt Lake. Deposited a great of charcoal 12 ins in the ground for meander cor of frac secs 9 and 10; dug a pit 36x36x12 ins 5 ft S of cor; and raised a mound of earth 4 ft base 2 ft high over deposit. In the pit drove a pine stake 2 ft long 2 ins square 12 ins in the ground marked N.C. on N T 2 N on S R 1 W S 10 on E and S 9 on W faces. Land level. Soil black alkaline loam. Soil rate. No timber. Level land on 70.00 chs.

Oct 21 1899 at 46° 0' m. sec. L. M. T.
m set off $40^{\circ} 53' N$ on the lat arc
 $10^{\circ} 51' S$ on the decl arc and
determine a true meridian
at the old meander cor of

Subdivisions of T 2 N - R 1 W.

fractional sees 16 and 21, which was reestablished by us and since the present water level of the lake is receding we run west line sees 16 and 21 over flat bottom through dense rushes.

- 7.00. Deposited a quart of charcoal 12 ins in the ground for cor of sees 16, 17, 20 and 21; dug pits 10x10 x12 ins in each see 4 ft dist and raised a mound of earth 4 ft base 2 ft high over deposit. On S.E. pit above a fine stake 2 ft long 2 ins square 12 ins in the ground marked
T 2 N S 16 on N.E.
R 1 W S 21 on S.E.
S 20 on S.W. and
S 17 on N.W. faces with 3 notches on S and 4 notches on E edges.
Land level.
Soil black alkali loam.
Larl rate.
No timber
Level land on 7.00 chs.
Dense undergrowth on 7.00 chs.

From above cor or continue west on a true line bet sees 17 and 20
over flat bottom through dense rushes.

- 21.84 Present shore line of Great Salt Lake.
Deposited a quart of charcoal 12 ins in the ground for meander cor of fractional sees 17 and 20; dug a pit 36x36x12 ins

Subdivisions of T 2 N - R 1 W,

5 ft east of cor. and raised a mound of earth 4 ft base 2 ft high over deposit.

In pit drove a pine stake 2 ft long 2 ins square 12 ins in the ground marked

N.C. on E

T 2 N on E

R 1 W S 17 on N and

S 2 0 on S faces

Level soil.

Soil black alkaline loam.

Land rate.

Level land on 2.84 hrs.

Dense undergrowth on 2.84 hrs.

From cor of secs 16, 17, 20 and 21 established by us or run.

1003' w ht secs 16 and 17.

Over level bottom through rushes deposited a great of charcoal 12 ins in the ground for 1/4 sec cor dug pits 10 x 18 x 12 ins N and S of cor 4 ft dist and raised a mound of earth 3 1/2 ft base 1 1/2 ft high over deposit.

In S pit drove a pine stake 2 ft long 2 ins square 12 ins in the ground marked

1/4 S 17 on W and

S 16 on E faces.

Level rushes.

Plough 1.00 hrs while strains N.W. deposited " a great of charcoal 12 ins in the ground for cor of

secs 8, 9, 16 and 17. dug pits 10 x 18 x 12 ins in each sec 4 ft dist and raised a mound of earth 4 ft base 2 ft high over deposit.

40.00

48.00

62.00

80.00

16
34

Subdivisions of T 2 N - sec 1 W.

In S.E. pit above a pine stake
2 ft long 2 ins square 12 ins in
the ground marked

T 2 N S 9 on N.E.

R 14 W 5 16 on S.E.

S 17 on S.W. and

S 8 on N.W. faces; with 4 notches
on S and E edges.

Sand dirt.

Soil black alkaline loam.

No salt.

No winter.

Dense undergrowth on 40.00 chs.
Level land on 80.00 chs.

Oct 22 1899: At 8¹/₂ a.m. I met
in set off 40° 54' N on the lot and
11° 06' S on the deck and determin-
ing a true meridian with the
solar at the cor of secs 8, 9, 10 and 17

I hence or run

East on a random line bet secs
9 and 16.

4.000 Set line $\frac{1}{4}$ sec cor.

8.000 Intersect N and S line at the
cor of secs 9, 10, 15 and 16.

Hence or run west on a true
line bet secs 9 and 16.

8.600 Right-bank bank or high water
line of Jordan river drains
north.

Deposited a quart of charcoal
12 ins. in the ground for mean
cor of fract secs 9 and 16; dug
a pit 36 x 36 x 12 ins 5 ft E of cor
and raised a mound of earth
4 ft base 2 ft high over deposit.

In the pit above a pine stake
2 ft long 2 ins 12 ins in

Subdivision of T2 N - R1 W

	The ground marked.
	W.C. on W
	T2 N on E
	R1 W S 9 on N and
	S 16 on S faces
15.00	Early mashes.
16.75	East bank of east channel of Jordan river. drains north.
17.25	west bank of same.
22.25	East side of main channel of Jordan river drains north.
23.00	west side of same.
40.00	$\frac{1}{4}$ sec cor falls in water about 6 in in depth. Deposited a quart of charcoal 12 in in the ground for $\frac{1}{4}$ sec cor; dug pits 10 x 10 x 12 in E and W of cor 4 ft dirt; and raised a mound of earth 3' $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high over deposit. In E pit drove a pine stake 2 ft long 3 in sq 12 in in the ground marked
	$\frac{1}{4}$ S 9 on N and S 16 on S faces.
70.00	Left bank or high water line of Jordan river drains north. Deposited a quart of charcoal 12 in in the ground for remainder cor of fuel sees 9 and 16; dug a pit 36 x 36 x 12 in 5 ft W of cor and raised a mound of earth 4 ft base 2 ft high over deposit. In the pit above a pine stakes 2 ft long 2 in sq 12 in in the ground marked W.C. on E.
	T2 N on W
	R1 W S 16 on S and S 9 on N faces.
	Was also marked stake W.P. $\frac{1}{4}$ on N face as a witness point for

Subdivisions of T 2 N - R 1 W.

	1/4 sec cor. Soil ruts The cor of secs 8, 9, 16 and 17 Land lost Soil black alkaline loam. Soil rate. No timber. Soil land on 8000 acs. dense undergrowth on 55.00 acs.
--	---

	From cor of secs 8, 9, 16 and 17 or run west on a line btw secs 8 and 17 over lost bottom. Bottom of slough 1.00 ch wide drains N.W. Present high water line of Great Salt Lake. Deposited a quart of charcoal 12 ins in the ground for meander cor of fract secs 8 and 17; dug a pit 36 x 36 x 12 ins 5 ft E of cor and raised a mound of earth 4 ft base 2 ft high over deposit. In the pit drove a pine stake 2 ft long 2 ins square 1/2 ins in the ground marked N.C. on W T 2 N on E. R 1 W S 8 on N and S 17 on S face.
--	---

Land lost.
Soil black alkaline loam.
Soil rate.
No timber.
Soil land on 29.30 chs.

Subdivisions of T 2 N - S 1 E.

12.50

From cor of sec. 8, 9, 16 and 17
or river No 03 in but sees 8 and 9.

Dove flat muddy bottom.

Breast high water line of
Great Salt Lake.

Deposited a quart of charcoal
12 ins in the ground for meander
cor of great secs 8 and 9; dug a
pit 36 x 36 x 12 ins 5 ft 5 of cor
and raised a mound of earth
4 ft base 2 ft high over deposit.
In the pit drove a pine stake
2 ft long 2 ins sq. 12 ins in the
ground marked

M.C. on N

T 2 N on S

R 1 or S 9 on E and
S 8 on W face.

Land lost

Soil black loam.

Land rate.

No winter.

Soil land on 12.50 hrs.

July 22 1899

Meander T 2 N - R 1 W

Meanders of right bank of Jordan river down stream.

Lat 22 18' S; at 10¹⁰ a.m. a.m. Lmt. set off 40° 53' N on the decl. arc 11° 08' S on the decl. arc and determine a true meridian with the solar at the meander cor of first sec 16 and 21.

Thence or run with meanders in sec 16.

Over muddy bottom.

N 1° 30' W 40.01 chs

N 2° 24' E 40.01 chs To meander cor of first sec 9 and 16

Land level

Soil black, alkaline loam.

2nd rate.

No timber.

Surf sand on 80.02 chs.

Thence in sec 9.

Over muddy bottom

N 14° 30' W 30.00 chs.

N 10° 00' E 20.00 "

N 30° 45' E 24.75 " To meander cor of first sec 9 and 10

Land level.

Soil black loam.

2nd rate.

No timber.

Surf sand on 74.75 chs.

Lat 22 18' S; at this cor we set off 11° 10' S on the decl. arc and at 12¹⁰ a.m. Lmt. observe the sun on the meridian. The resulting lat is 40° 55' N.

Meanders T = N 0° 1' 0"

Meanders of left bank of Jordan
River down stream.

Sept 22 1898: at 2^h 00^m p.m., first
in sec off $40^{\circ} 5' 3''$ N on the left
are $11^{\circ} 12' S$ on the decl arc and
determine a true meridian
with the solar at the meander
cor of fract secs 16 and 21

Then we run with meanders
in sec 16

Over sandy bottom through rushes.
 $N 36' 15''$ or 14.80 chs.

$N 15^{\circ} 0' 0''$ or 9.00 " Stands of slough drains
N.W. at end of course.

$N 1^{\circ} 30' E$ 15.00 " At 2.00 chs N bank of
slough drains N.W.
From end of course back
house bears $5^{\circ} 57' 30''$ W.

$N 22^{\circ} 0' W$ 9.00 "

$N 20^{\circ} 0' W$ 11.00 "

North 10.00 "

$N 24^{\circ} 30' W$ 17.00. at 14.00 chs leave rushes.

To meander cor of fract
secs 9 and 16.

Land level.

Soil black alkaline loam.

2nd rate.

No timber.

Soil brown on 8-5.80 chs.

Ground cover with over 82.50 chs.

Distance in sec 9

$N 38^{\circ} 40' W$ 16.01 chs To meander cor
of fract secs 8 and 9

Land level.

Soil black loam 2nd rate.

No timber.

Soil brown on 16.01 chs.

Meanders T 2 N - R 1 W.

Meanders of shore line of
Great Salt Lake.

From meander cor of fract seas
8 and 9 we run with meanders
in sec. 8.

N 61° 30' W. 18.68 chs.

S 31° 00' W. 25.00 " At 11.00 chs n edge of slough
drains N 45°

at 13.00 chs S edge of slough.
To meander cor of fract
seas 8 and 17.

Land level.

Soil black alkaline loam.

2nd rate.

No timber.

Surf land on 43.65 chs.

Three in sec 17.

Over muddy bottom.

S 20° W 10.60 chs.

S 2° 00' E 13.00 "

S 41° 45' E 12.00 "

S 7° 45' E 15.00 "

S 13° 45' W 19.00 "

S 40° 00' E 6.00 "

S 8° 30' E 10.00 " At end of course duck house
bars 578° W.

To meander cor of fract
seas 17 and 20

Land level.

Soil black loam.

2nd rate.

No timber.

Surf land on 85.60 chs.

Meanders T 2 N 071 or

General Description.

That portion of the township surveyed by us consists for the most part of a mud flat covered with a dense growth of rushes.

Jordan River flows into Great Salt Lake through three distinct channels two of which flow northerly through sec 16 and the third flowing north westerly through sec 20 not surveyed by us.

There is shallow water over a large portion of sec 16 as is shown by the meanders but the main portion of the water flows through the two channels which are about 5 ft in depth.

Frank E. Baxter

David A. Blossom.

A.S. Dry Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank E. Baxter and avid A. Blossom, United States Deputy Surveyor, to assist in running, measuring, and

subdivisions of parts described in the foregoing field notes of the survey of T. 2 N. R. 5 E.; T. 3 N. R. 7 E.; T. 3 N. R. 5 E.; T. 4 N. R. 5 E.; T. 5 N. R. 5 E.; T. 6 N. R. 5 E.; T. 6 N. R. 4 E.; T. 6 N. R. 4 E.; T. 6 N. R. 3 E.; T. 6 N. R. 2 E. and subdivisions and meanders of T. 2 N. R. 1 W. of the Salt Lake Meridian and Meridian, Utah.

J. W. Chase J. W. Dougall, Chainman.

Dorsey Herr Austin Roylance, Chainman.

Joseph Bagley , Moundman.

Leonard Diamond , Moundman.

Leonard Diamond , Axeman.

Dhos. S. Roylance , Axeman.

Harry Rager Chas. C. Friend, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank E. Baxter and avid A. Blossom, United States Deputy Surveyor, in surveying all

those parts or portions of the ... Meridian, which are represented in the foregoing field notes as having been surveyed by Frank E. Baxter and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Subdivisions of T. 1 S. R. 5 E.; T. 1 S. R. 1 E.; T. 1 N. R. 5 E.; T. 1 N. R. 3 E.; T. 2 N. R. 5 E.; T. 3 N. R. 7 E.; T. 3 N. R. 5 E.; T. 4 N. R. 5 E.; T. 5 N. R. 5 E.; T. 6 N. R. 5 E.; T. 6 N. R. 4 E.; T. 6 N. R. 4 E.; T. 6 N. R. 3 E.; T. 6 N. R. 2 E. and subdivisions and meanders of T. 2 N. R. 1 W. of the Salt Lake Meridian and Meridian, Utah.

meridian, of, which are represented in the foregoing field notes as having been surveyed by Frank E. Baxter and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

J. W. Chase J. W. Dougall, Chainman.

Dorsey Herr Austin Roylance, Chainman.

Joseph Bagley , Moundman.

Leonard Diamond , Moundman.

Leonard Diamond , Axeman.

Dhos. S. Roylance , Axeman.

Harry Rager Chas. C. Friend, Flagman.

Subscribed and sworn to before me this 11

day of Nov, 1899.

SEAL
H. W. Dougall

Hugh W. Dougall
Notary Public

BOOK

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We, Frank E. Baxter and David A. Blasom, United States Deputy Surveyors do solemnly swear that, in pursuance of a contract received from *Jacob W. B. Hall*, United States Surveyor General for *The State of Utah*, bearing date of the *21st* day of *January*, 1897, I have well, faithfully, and truly, in my own proper persons and in strict conformity with the instructions furnished by the United States Surveyor General for *The State of Utah*, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

Subdivisions of T. 1 S. R. 5 E.; T. 1 S. R. 6 E.; T. 1 N. R. 6 E.; T. 1 N. R. 5 E.; T. 2 N. R. 5 E.; T. 3 N. R. 7 E.; T. 3 N. R. 5 E.; T. 4 N. R. 5 E.; T. 5 N. R. 5 E.; T. 6 N. R. 5 E.; T. 7 N. R. 5 E.; T. 8 N. R. 4 E.; T. 9 N. R. 4 E.; T. 10 N. R. 3 E.; T. 11 N. R. 3 E. and Subdivisions and meanders of T. 2 N. R. 1 W. of the Salt Lake Base and Meridian, Utah.

meridian in the *included district C. L. n. 9. S. 21. D. 22. 23. 24. 25. 26. 27. 28. 29. 30.* which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for *The State of Utah*, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Subscribed by said *Frank E. Baxter* and *David A. Blasom*, and sworn to before me }
this *21st* day of *January* 1900, A.D. }

SEAL
S. S. SURVEYOR GENERAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah Oct 28, 1900

The foregoing field notes of the survey of *The included district of Township No. 1, Range 1 West of the Salt Lake Base Meridian, Utah*

executed by *Frank E. Baxter and David A. Blasom* under his contract No. *223*, dated *January 31st*, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob W. B. Hall

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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H.G.O.
J.J.B.

A.
BOOK A-262

FIELD NOTES

OF THE SURVEY OF THE

Resurvey, Subdivision Lines

of

Township N^E 4 South - Range N^E 1 West

of the Salt Lake Bar and Meridian,
State of Utah

AS SURVEYED BY

Andrew P. Hansen and Henry E. Gehr, United States Deputy Surveyor,
Posture Special Instruction dated April 22, 1890
their
under his Contract No. 230, dated April 26, 1890 and finished May 1890

Survey commenced May 16, 1890

Survey completed May 24, 1890

6-161

5-151-15-
5-151-93 V
5-151-77 V

NAMES AND DUTIES OF ASSISTANTS.

L. L. Elliott - Chairman

Fred Dartmell - Chairman

Fred Sommerer - :: Monandan

W. W. Barton - - - Assistant

Fred Sommerer - - - Assistant

W. W. Barton - Flagman

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, L L Elliott and Fred Partnell
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in

Survey of subdivision lines of Tp. 4 S.R. W. - Th. 4 S.R. E. and Th. 11 W. R.
Salt Lake Basw and Meridian, Utah L L Elliott, Chainm
Fred Partnell, Chainm

Subscribed and sworn to before me this 15th
day of May, 18900 }
SEAL

Sam Raney
Notary Public

WE, Fred Sommerer and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishm
of corners, according to the instructions given us, to the best of our skill and ability, in

Survey of subdivision lines of Tp. 4 S.R. W. - Th. 4 S.R. E. and Th. 11 W. R. 5 E.
Salt Lake Basw and Meridian, Utah, Moundm

Subscribed and sworn to before me this 15th
day of May, 18900 }
SEAL

Sam Raney
Notary Public

WE, W W Barton and Fred Sommerer
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor
and other duties, according to instructions given us, to the best of our skill and ability, in

Survey of subdivision lines of Tp. 4 S.R. W. - Th. 4 S.R. E. and Th. 11 W. R.
Salt Lake Basw and Meridian, Utah W W Barton, Arm
Fred Sommerer, Arm

Subscribed and sworn to before me this 15th
day of May, 18900 }
SEAL

Sam Raney
Notary Public

I, W W Barton, do solemnly swear that I will well and t
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
Survey of the survey of subdivision lines of Tp. 4 S.R. W. - Th. 4 S.R. E.
Th. 11 W. R. 5 E. Salt Lake Basw and Meridian, Utah W W Barton, Flag

Subscribed and sworn to before me this 15th
day of May, 18900 }
SEAL

Sam Raney
Notary P

Survey. Subdivision of T. 4 S. R. 1 W.

chain Survey commenced May 16, 1900 and executed with a N. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed oppositely to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah, April 11, 1900.

We examine the adjustments of the transit and correct the level and collimation error, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris we proceed as follows:

At the cor. of sec. 19-24-25 and 30 T.p. 4 S. R. 1 E and 1 W on the Salt Lake Meridian, latitude $40^{\circ} 27' N$, longitude $111^{\circ} 54' W$. we set off $40^{\circ} 27'$ N. on the lat. arc $19^{\circ} 11' 30'' N$. on the decl. arc and at $4^{\text{h}} 27^{\text{m}}$ p.m., 7 m^t determine with the solar a true meridian and mark a point thereof on a stone firmly set in the ground 4.75 chs. N. of the cor.

At $9^{\text{h}} 55^{\text{m}}$ p.m. we observe Polaris in accordance with Manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 4.75 chs. N. of our station

Altitude, 7 m^t of obs. May 16 $4^{\text{m}} 35^{\text{s}}$

U. C. Polaris May 15 $21^{\text{m}} 44.6^{\text{s}}$

Hour angle of Polaris at obs. $112^{\text{h}} 10.4^{\text{m}}$

Subtract from $23^{\text{h}} 56.1^{\text{m}}$

Time argument for Table II $11^{\text{h}} 45.7^{\text{m}}$

Azimuth of Polaris at obs. $0^{\circ} 5' E.$

May 16, 1900

May 17: at $7^{\text{h}} 15^{\text{m}}$ a.m., 7 m^t we lay off the azimuth of Polaris $0^{\circ} 5'$ to the west and mark the True Meridian thus determined on the stone set May 15, 4.75 chs. N. of the cor.

Resurvey, Subdivision of T. 4 S., R. 1 W.

chains At 7⁴³00 a.m. we set off 40° 27' N on the lat. are 19° 20' N. on the decl. arc. and mark a point in the true meridian determined by the solar or the rock already set 4.75 chs N. of the cor. and now find that the true meridian determined by p.m. and a.m. observations with the solar respectively agree without material error, with the true meridian determined by Polaris observation and therefore conclude the adjustments of the instrument are accurate.— The magnetic bearing of the true meridian at 7⁴³57 a.m. is N. 16° 25' W. the angle thus determined reduced by the table page 100 gives the mean mag. decl. 16° 21' E.

Having previously run north from the cor. of secs. 1-2-3-5 and 36 on S. bdy. of Tp. for a distance of two miles without finding a trace of any corner through a diligent search was made at each 40,00 chs.; we conclude that resurveys will have to be made in order to obtain initial and closing points for the new work though we set a temp. cor. for secs. 23-24-25 and 26 at the end of line. We begin at the sec. cor. already described which is a stone firmly set marked and witnessed as described by the surveyor general— Thence we run west on a blank line bet secs. 24 and 25; at 40.01 chs. search was made for the 1/4 sec. cor. but no trace of it could be found; at 80.03 we intersect the temp. cor. of secs. 23-24-25 and 26 previously set by us where we again make search for, and find the rotted point of a stake and traces of pili faintly discernible which we decide is the remains of the original cor., but before reestablishing the same and as a further check we run west on a blank line bet secs. 23 and 26; at 40.02 chs. we find the 1/4 sec. cor. which is a red sandstone 6x6x6 ins. above ground firmly set and marked 1/4 on N. face; and at 80.05 chs. we intersect the cor. of secs. 22-23-26 and 27 which is a roughly squared red sandstone 6x6x6 ins.

Resurvey, Subdivision of T. 45 S. 18, 1 W.

chain above ground firmly set, and marked with two notches on S. and E. edges. These two last described corners are not the original corners, but were set and marked by the county surveyor and claimed to be in the places occupied by the original corners; and as we find them in their proper place and the nearest corners S. and NW corners on the W. from which to verify them can be found, we decide to accept and report them as official corners set properly. — We return to the temp. cor. of secs. 23-24-25 and 26 and reestablish the same as follow:

Set a quartzite stone 18x6x6 ins. 12 ins. in the ground for cor. of secs. 23-24-25 and 26 marked with 1 notch on E. and 2 notches on S. edges; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable

Then we run

East bkt. secs. 24 and 25

Over mountainous land

Descending on sloping bench

27,05 Wagons road from Salt Lake Valley to Utah Valley course N. 20° W and S. 20° E. in bottom of hollow 140 ft below cor. course S 70° W.: ascend

40.01 $\frac{1}{2}$ Set a sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable

44,14 Oregon Short Line R.R. Track course N. 25° W. and S. 25° E.

80,03 The cor. of secs. 19-24-25 and 30 as heretofore described..

This cor. stands 225 ft. above bottom of hollow Land mountainous, rolling and broken

Soil gravelly wash 3rd rate

No timber. — sagebrush undergrowth— Mountainous land 80,03 chs. —

From the cor. of secs. 23-24-25 and 26 as reestablished by us this day we run
North bkt. secs. 23 and 24
Over mountainous land

Resurvey, Subdivision of T 4 S 1 R 1 N.

chain 1,20	Ascending gradually to Wagon road from Salt Lake Valley to Utah Valley course $N.35^{\circ}W$ and $S.65^{\circ}E$
1,92	Oregon Short Line R.R. track bears $N.30^{\circ}W$ and $S.70^{\circ}E$.
2,20	Begin abrupt ascent course N.W. and E.
13,00	End of old survey: search was made for the post, and pili as described by the surveyor general but no trace of them could be found, hence we set a stake in the ground for temporary marking from which to begin the new work.- This point is 135 ft above the cor. Land mountainous Soil gravelly wash No timber. - scattering thorn undergrowth- Mountainous land 13,000 chs.-

From the temp. cor. of secs. 13-14-23 and 24 set by
us this date and described in Book B subdivision
lines of this Tp. we run North on a blank line
bet. secs. 13 and 14: at 4,000 search was made for the
14 sec. cor. but it could not be found; at 8,000 we
found a mound and pili faintly traceable but no
post could be found: We decide it is the original
cor. of secs. 11-12-13 and 14 and reestablish the same
as follows. -

Set a sandstone 18x9x5 in. 12 in in the ground
for cor. of secs. 11-12-13 and 14 marked with 1
notch on E and 4 notches on S. edges: raised a
mound of stones 2 ft. base 1½ ft. high W. of cor.
Pili impracticable

Thence we run

South - bet. sec. 13 and 14

Over cultivated field, on gradual ascent

18,000 Log and dugout house of A K Standard bears E. 1,55
chs. stable of same bears W. 1,40 chs

24,68 Fence bears E. and W.; leave cultivated field
Enter sagebrush undergrowth-

30,00 Enter mountainous land course N.E. and S.W.: begin
ascent

34,35 Fence, bears E. and W.

40,00 Set a sandstone 18x9x8 in. 12 in. in the ground

Reservoir, Subdivision of T 4 S 18 E N.

chains	for 1/4 sec. cor. marked 1/4 on N. face; raised as mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable
53,38	Fence bears N.E. and S.W.
55,85	Road from Salt Lake Valley to Utah Valley bears N. 30° E. and S. 30° W.
6,86	Oregon Short Line R.R. Track courses N. 30° E. and S. 30° W.
8,000	The Limp. cor. of secs. 13-14-23 and 24 at which place we set a limestone 17x8x6 in. 11 in. in the ground for cor. of secs. 13-14-23 and 24 marked with 1 notch on E. and 3 notches on S. edges; raised as mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable <u>This cor. stands 300 ft. above the bottom of the slope</u> <u>Land level and Mountainous</u>
10/30	<u>Soil gravelly wash 2nd and 3rd rate</u> <u>No timber</u> <u>Mountainous land 50,00 chs.-</u>

	West on a blank line bet. secs. 14 and 23 At 4000 chs search was made for the 1/4 sec. cor. but no trace of it could be found; at 8,000 chs. we find a mound and pili faintly outlined but no trace of the post could be found; we conclude it is the remnant of the original cor. of secs. 14-15-22 and 23 and reestablish it as follows Set a sandstone 16x8x5 in. 10 in. in the ground for cor. of secs. 14-15-22 and 23 marked with 2 notches on E. and 3 notches on S. edges; raised as mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable..
	Three rd run East bet. secs. 14 and 23 On gradual ascent in sagebrush
15,70	Pipe line from Bingham Junction to Sugar Factory at Lehi (covered) courses N. and S.
4,000	Set as sandstone 15x6x5 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised as mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable.

Survey, Subdivision of T. 45 R. 1 W.

chain	Over mountainous land.
4300	Begin ascent course N. 25° E. and S. 25° W.
67.54	Fence bears N. 20° E. and S. 20° W.
6800	Road from Salt Lake Valley to Utah Valley course N. 20° E. and S. 20° W.
69.78	Oregon Short Line R.R. Track course N 20° E and S 20° W.
80.00	The cor. of secs. 13-14-23 and 24 This cor. stands 200 ft. above bottom of slope Land level and mountainous Soil gravelly wash 2nd and 3rd rate No timber Mountainous land 37.000 chs. —

May 17, 1900

May 18:	At 7 ⁴³ 2 m a.m., I met two set off 40° 28' 40" N. on the lat. arc 19° 33' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 11-12-13 and 14 as reestablished by us May 17, 1900. Then we run east on a blank line bet. secs. 12 and 13; at 4,000 chs. search was made for the 1/4 sec. cor. but it could not be found; at 80.46 chs. the cor. of secs. 7-12-13 and 18 bears S. 40° E., being a stone firmly set marked and witnessed as described by the surveyor general —
	Then we run N. 89° 43' W. bet. secs. 12 and 13
	Over mountainous land
	Descending over broken surface in sage brush
38.67	Oregon Short Line R.R. Track bears N 25° E. and S 25° W.
40.23	Set a sandstone 16 x 7 x 5 in., 11 in., in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable
53.75	Road from Salt Lake Valley to Utah Valley bears N. 15° E. and S. 15° W.
59.00	Cabin of Hyrum Lord, bears S. 3.60 chs.
60.05	Fence bears N. and S.
71.00	Bottom of slope 260 ft. below sec. cor. course N and S.

Resurvey, Subdivision of T 4 S 18 N.

chain
80,46 Enter level bench
The cor. of secs. 11-12-13 and 14
Land mountainous and level
✓ 46 Soil gravelly wash sand and slate -
No timber -
Mountainous land 71.00 chs -
Note: To close secs. 13 & properly it becomes necessary
to make a resurvey of its E. bdy. which we do this day

Preliminary to commencing the subdivision of
the western part of this township we run west
from the cor. of secs. 22-23-26 and 27 but fail
to find any trace of the 14 sec. cor. nor the
witness cor. marking the end of survey at 78,60 chs.
and returning to said cor. we run south bet.
secs. 26 and 27 : at 4,000 chs we search for
but find no trace of the 14 sec. cor.; at 8,000
chs. we make careful search for the cor. of secs.
26-27-34 and 35 but can find no trace of it
we therefore set a temp. cor. for secs. 26-27-34 and
35 and run west bet. secs. 27 and 34; at 4,000
chs. we fail to find the 14 sec. cor. nor could
any witness cor. be found marking the end
of survey at 66,00 chs. and returning to
said temp. cor. of secs. 26-27-34 and 35 we
run south bet. secs. 34 and 35; at 4,000 chs.
we search for but find no trace of the 14 sec
cor.; at 80,88 we intersect the cor. of secs. 2-
3-34 and 35 on S. bdy. of Tp. which is as above
firmly set marked and witnessed as described
by the surveyor general. -

We therefore make the following resurveys:
Beginning at the cor. of secs. 2-3-34 and 35 as
above described. -

Then we run

North. bdy. secs. 34 and 35 -

Over live sagebrush land

40,22 At a sandstone 15' x 8' x 6' in. 12 in. in the
ground for 14 sec. cor. marked 1/4 on N. face;
raised a mound of stones 2 ft. base 1 1/2 ft. high
W. of cor. - Pts. impracticable

Resurvey, Subdivision of T. 4 S. 17. W.

chain 80.54	Set a sandstone 15x7x5 in. 10 in. in the ground for cor. of sec. 20-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high N of cor. Pits impracticable Land level Soil aluvial wash 2 nd gate No timber
1.40	West bch sec. 27 and 34 Gradually ascending in sagebrush Road from Utah Valley to Fort Herriman crosses roads.
37.00	Begin descent on N.W. slope Enter dense undergrowth - course N 70° E and S. 70° W.
39.00	Paved transmission-wire line from Jordan Narrows to narrow course N. and S.
40.00	Set a quartzite stone 17x8x6 in. 11 in. in the ground for 1/4 sec. cor marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N of cor. Pits impracticable
40.07	Dry wash in bottom of gulch 60 ft. deep course N. 70° E.: ascend broken slope Enter mountainous land course N. and S.
435.0 547.6 66.00	Road from Utah Valley to Fort Herriman bears N.E. and S.W. Ways with in ravine 30 ft. high course S.E. End of resurvey line; as no trace of the original witness cor. could be found we set a post for temporary witness cor. from which to initiate the new work Thin limy cor stands 200 ft. above the 1st sec. cor. Land level and mountainous Soil aluvial wash and gravelly 2 nd and 3 rd gate No timber Dense undergrowth of scrub oak and maple Mountainous land and dense undergrowth 29,000 cu.
	From cor. of sec. 20-27-34 and 35 as reestablished by me no new North bch. sec. 26 and 27 Over level sagebrush land

Reservoir, Subdivision of T. 4 S. R. 1 W.

chain ... 7.50	House of John Phillips bears N. 750 chs. -
19.12	Bottom of ravine 80 ft deep course N. 80° E.
-20.10	Cabin of Fred C. Robinson bears N. 600 chs. -
40.22	Set a red sandstone 18x7x7 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pilis impracticable
51.25	Road from the river to Fort Herriman bears E and W.
79.10	Fence course E and W.
80.44	Begin broken descent along fence line W. The cor. of secs. 22-23-26 and 27 as heretofore described Land level bench and broken slope Soil alluvial wash 2nd rate No timber.
	West bet secs. 22 and 27. Ascending
0.05	Fence bears N. and S.; enter cultivated field
10.45	Fence bears N. and S.
17.00	Enter orchard course N. and S.
21.50	Ditch 2 ft wide course N. 76° E.
23.50	Spring 40 ft dia. bears S. 50 chs.: house of F. Highley bears N. 2 chs.
24.87	Fence bears N. and S.; leave cultivated field
25.20	Road from Utah Valley to Fort Herriman course N. and S.; ascent becomes broken, soil rocky Enter dense undergrowth course N. and S.
32.45	Power-transmission wire line from Jordan Narrows to Moenav course N. and S.
40.00	Set a black lava rock 28x10x8 in. in a mound of stones 3 ft. base 2 ft. high on rocky surface for 1/4 sec. cor. marked 1/4 on N. face Pilis impracticable
78.60	End of old survey:
33.40 35.20	Set a temp. witness cor. from which to extend the new work This cor. stands 375 ft. above the cor. of secs. 22-23-26 and 27 Land sloping bench

Survey, Subdivision of T. 4 S. 12. 1 W.

chain Soil alluvial wash, and rocky 2nd and 3rd rate
 No timber
 Dense undergrowth of scrub oak and sagebrush
 Dense undergrowth 5' 3,40 chs. -
 May 18, 1900

May 19: at 7^h 21^m a.m., 7 m^t we set off 40° 25'
 N. on the lat. arc 19° 46' 30" N on the decl. arc and
 determine a true meridian with the solar at
 the cor. of secs. 3-4-33 and 34 on S. bdy. of Tp.
 which is a stone firmly set marked and
 witnessed as described by the surveyor general
 Thence we run

North bet. secs. 33 and 34

Over mountainous land

Ascending

19.00 Top of ridge 170 ft above cor. course N 75° E. and S. 75° W.
 Begin descent

38.50 Search was made for the witness cor. marking
 end of old survey but no trace of it could
 be found we therefore set a temp. witness cor.
 from which to extend the new work.

Land mountainous

Soil gravelly wash 3rd rate

Timber, scattering small cedar and pine

Mountainous land 38.50 chs. -

Having run N. 0° 1' W. on a random line from
 the cor. of secs. 21 and 28 as described in ^{Book B} at 61.15 chs. we
 search for the witness cor. marking the end of
 the old survey but find no trace of it; at
 80.86 chs we make a careful search for the cor.
 of secs. 15-16-21 and 22 but fail to find any
 trace of it. - We therefore continue on a blank
 line north - searching for corners at each
 4000 chs. but finding none until at 159.84
 chs we find the cor. of secs. 3-4-9 and 10 which
 is firmly set and properly marked and
 from whence we retrace our line south - and
 at 8.000 chs. make renewed search for the cor.
 of secs. 9-10-15 and 16 and find a post broken

Resurvey, Subdivision of T.4 S.12.1 N.

chains	off even with the ground and the outline of fence fairly traceable, which we conclude is the remnants of the original cor. and reestablish the same as follows
	Set a quartzite stone 15x7x6 in., 10 in. in the ground for cor. of secs. 9-10-15 and 16 marked with 3 notches on E. and 4 notches on S. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pile impracticable. Then we run
	South bet. secs. 15 and 16
	Over level sagebrush land
0.30	Wood road from mountain course N. 60° E and S. 60° W.
26,20	Unlined ditch course N. 30° W
32,30	Power-transmission-wire line from Jordan Narrows to Bingham course N. 65° W and S. 65° E
39,60	Old road bears N. 30° W and S. 30° E
40,00	Further search failed to locate any trace of old cor. Set a black lava stone 16x11x6 in., 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pile impracticable
80,00	Further search fails to locate any trace of the original cor.
	Set a black lava stone 18x7x6 in., 12 in. in the ground for cor. of secs. 15-16-21 and 22 marked 4S. on N.E. 1W on S.E. faces; with 3 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pile impracticable
	Land level
	Soil alluvial wash 1st rate
	No timber
	Dense sagebrush undergrowth 80.00 ch-
	West bet. secs. 16 and 21
	Over level sagebrush land
22,00	End of old survey: a careful search failed to locate any trace of the witness cor. as described by the surveyor general and no

F.B.I. - M. W.

Resurvey, Subdivision of T. 4 S. R. 1 N.

	chains establish a temp. witness cor. to mark the end of old survey, from which commenced the new work. - Land level soil aluvial wash 1 st natr no timber
13,50	South bet. secs. 21 and 22 Over level, sagebrush land Road from Utah Valley to Fort Sherman course $570^{\circ}W$ and $N.70^{\circ}E$.
19,70	A close search failed to discover any trace of the witness cor. marking end of old survey as described by the surveyor general, and we therefore set a temp cor. from which to extend the new work. - Land level soil aluvial wash 1 st natr no timber. -

May 19, 1900.

May 21: Having run $N.0^{\circ}2'W$. on a random line from the cor. of secs. 17 and 20 as set by us May 20 1900 and described in Book B. for a distance of 56.65 chl. we searched for the witness cor. bet. secs. 16 and 17 as described by the surveyor general but no trace of it could be found and we therefore run north on a blank line 24.00 chl. where we search for the cor. of secs. 8-9-16 and 17 but without finding any trace of it whatever. - We therefore run north on a blank line bet. secs. 8 and 9 and at 40.00 chl search for but find no trace of the 1/4 sec. cor. At 80.00 chl. we find traces of the pili and mound plainly discernible and identify it as the cor. of secs. 4-5-8 and 9 which we reestablish as follows set a quartzite stone 15 \times 7 \times 6 in. 10 in. in the ground for cor. of secs. 4-5-8 and 9 marked with 4 notches on E and 5 notches on S. edges; raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pili insatiable.

Resurvey, Subdivision of T. 4 S. R. 1 W.

chain	Thence we run, on resurvey line
South - bet secs. 8 and 9	
Over level sagebrush land	
4000	Set a quartzite stone 16 x 7 x 6 in., 11 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable
6312	Dry wash 20 ft. deep course $N. 65^{\circ} E$
8000	Set a brachyte stone 17 x 9 x 7 in., 11 in. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable
	Land level
	Soil gravelly alluvial wash 1 $\frac{1}{2}$ rate
	No timber.
	East on a random line bet. secs. 9 and 16
4000	Set 4 in. $\frac{1}{4}$ sec cor.
8000	Intersect N. and S. line 12 elev. S of the cor. of secs. 9-10-15 and 16 reestablished by us May 18, 1900 and heretofore described
	Thence we run
	$S 89^{\circ} 5' W.$ on a true line bet. secs. 9 and 16
	Over rolling, sagebrush land
1710	Dry wash course $N. 15^{\circ} E$.
4000	Set a brachyte stone 16 x 8 x 7 in., 10 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. - Pits impracticable
4400	Two pieces of original $\frac{1}{4}$ sec cor. could be found
8000	Dry wash course N.
	The cor. of secs. 8-9-16 and 17
	Land slightly rolling
	Soil alluvial wash 1 $\frac{1}{2}$ rate
	No timber
	May 21: at this cor. we set off $20^{\circ} 23' N.$ on the decl. arc. and at 11 $56^{\text{m}} 56^{\text{s}}$ a.m. don't observe the sun on the meridian the resulting lat is $40^{\circ} 28' 40'' N.$
	South bet. secs. 16 and 17

Resurvey, subdivision of T. 4 S. R. 1 N.

chains 4,62	Over level, sagebrush land Power transmission wire line from Jordan Narrows to Bingham corner N. 75° W. and S. 75° E.
2400	A close search failed to reveal any trace of the witness cor. marking end of old survey as described by the surveyor general and we therefore set a temp. witness cor. from which to extend the new work. — Land level Soil gravelly alluvial wash 2 nd rate No timber
14,66	From the cor. of secs. 8-9-16 and 17 as heretofore described we run West bet. secs. 8 and 17 Over level, sagebrush land Power transmission wire line from Jordan Narrows to Bingham corner N. 75° W. and S. 75° E.
26,00	A close search failed to reveal any trace of the witness cor. marking end of old survey as described by the surveyor general and we therefore set a temp. witness cor. from which to extend the new work. — Land level Soil gravelly alluvial wash 1 st rate No timber

May 21, 1900

May 24: Having run N 0° 2' W. on a random
line from cor. of secs. 7 and 18; at 40.75 chrs.
a diligent search was made for the 1/4 sec. cor.
bet. secs. 7 and 8 as described by the surveyor
general, but no trace of it could be discovered
and we therefore set a temp. 1/4 sec. cor. to mark
the end of old survey and run north on a
blank line; at 39.92, we find remnants
of the cor. of secs 5-6-7 and 8 being the
original pit & mound fairly traceable
which bears E. 18 degs. but the stake could not
be found. — We conclude it is the original cor.
of secs. 5-6-7 and 8 and reestablish the same

Resurvey, Subdivision of T. 4 S. R. 1 N.

chains

as follows:

Set a brachytile stone $15 \times 8 \times 6$ in. 10 in. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable. —

From this cor. we run west on a blank line bet secs. 6 and 7: at 4000 chs. a diligent search failed to find the $\frac{1}{4}$ sec cor.: at 9334 we intersect W. bdy of Twp. 27 E. N. of cor. of secs. 1-6-7 and 12 which is a stone firmly set marked and witnessed as described by the surveyor general — therefore

From this cor. we run on resurvey line N. $89^{\circ} 50'$ E. bet. secs. 6 and 7

Over level sagebrush land

46.70 Set a brachytile stone $15 \times 7 \times 6$ in. 10 in. in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ sec N. face: raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable

The cor. of secs. 5-6-7 and 8

Land level

Soil gravelly alluvial wash 1st rate

No timber

South bet. secs. 7 and 8

Over level sagebrush land

Wood road bears N.E. and S.W. —

17.65 Search failed to discover any trace of the original $\frac{1}{4}$ sec cor. as described by the surveyor general therefore

Set a brachytile stone $16 \times 7 \times 6$ in. 11 in. in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ sec N. face: raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable Land level. —

Soil gravelly alluvial wash 1st rate — No timber

May 24-1900

General Description

Surveyor, Subdivision of T. 4 S. R. 1 W.

For general description see subdivision of this
Township Book 'B'.

Andrew P. Hansen

Henry E. Giese

U. S. Dept'l Surveyor

Volume

#

R0262

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189_____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for, bearing date of

..... day of 189 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of

..... of the
meridian, in the which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for and in the specific manner described in the field notes, and
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
[Handwritten signature]
United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of 189 }

.....
S E A L D
.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Edward H. Aldrich, May 26, 1891
The foregoing field notes of the survey of the Siedler's corner, S. of Furnish
Ct. 13, Twp. 19, R. 27, of the State Land Survey, Worcester, Mass.,
executed by *Conrad F. H. Hough, Surveyor, E. G. Green, Assistant Surveyor*
under Contract No. 48250, dated 1891, having
been duly examined, and the necessary corrections and explanations made, the said field notes, and
correctly transcribed, are hereby approved.

Edward H. Aldrich, May 26, 1891
United States Surveyor Gen.

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

.....
United States Surveyor Gen.

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*Grammer
of P.M.*B.
BOOK A-262A. S. B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 4 South - Range No 1 West

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

P. Parsons and Henry E. Giers, United States Deputy Surveyor,
 under his Contract No. 230, dated April 26, 1899
 Survey commenced May 17, 18900
 Survey completed May 24, 18900

6-161

S. S. High	21-42-54	✓
L. Low	1-54-87	✓
Obs. -	3-12	✓

NAMES AND DUTIES OF ASSISTANTS.

L. L. Elliott - - - - - d : :

Fred Darknell - - Chas. - -

Fred Sommerer - - Mound.

W.W. Bartow - - - Asma r

Fred Sonnenberg - Akron

W. W. Barton Flagman

Volume

#

R0262

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, L C Elliott and Fred Partnell

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

Subdivision lines of T 4 S R 1 W - T 4 S R 1 E - T 11 N R 5 E - T 11 N R 4 E - T 12 W R 4 E

T 13 N R 4 E, Salt Lake Bas^W and Meridian, Utah

L L Elliott, Chainman
Fred Partnell, Chainman

Subscribed and sworn to before me this 15th
day of May, 1890



Sam Raney
Notary Public

WE, Fred Sommers and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey
Subdivision lines of T 4 S R 1 W - T 4 S R 1 E - T 11 N R 5 E - T 11 N R 4 E - T 12 W R 4 E
and T 13 N R 4 E, Salt Lake Bas^W and Meridian, Utah, Moundman

Fred Sommers, Moundman

Subscribed and sworn to before me this 15th
day of May, 1890



Sam Raney
Notary Public

WE, Fred Sommers and W W Barton

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey
Subdivision lines of T 4 S R 1 W - T 4 S R 1 E - T 11 N R 5 E - T 11 N R 4 E - T 12 W R 4 E
and T 13 N R 4 E, Salt Lake Bas^W and Meridian, Utah, Axman

Fred Sommers, Axman

Subscribed and sworn to before me this 15th
day of May, 1890



Sam Raney
Notary Public

I, W W Barton, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Subdivision lines of T 4 S R 1 W - T 4 S R 1 E - T 11 N R 5 E and 4 E - T 12 W R 4 E
and T 13 N R 4 E, Salt Lake Bas^W and Meridian, Utah

W W Barton, Flagman

Subscribed and sworn to before me this 15th
day of May, 1890



Sam Raney
Notary Public

Subdivision of T. 4 S.R. 1 W.

chains

Survey commenced May 17, 1900 and executed with a W & L E Gurley light mountain transit with solar attachment. — The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the vernier of the latitude and declination arcs. —

The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the Surveyor General for Utah April 11, 1900. —

Having examined the adjustments of the instrument and completed a full test of the solar apparatus this date at the cor. of secs. 19-24-25 and 30 T. 4 S.R. 1 E. and 1 W. at the beginning of resurvey of subdivision lines of this T. Book A reference to which is hereby made we consider it unnecessary to repeat the test at this time. —

We begin at the end of the resurvey line bet. secs. 23 and 24 T. 4 S.R. 1 W. 13.00 chs N. of the cor. of secs. 23-24-25 and 26 as reestablished by us this date. —

Thence we run

North on a random line bet. secs. 23 and 24

Set lemp. 44 sec. cor.

27.00

The cor. of secs. 13-14-23 and 24 could not be found and we set a lemp. cor. for said secs. until the permanent cor can be established by resurvey. —

May 17: at this temporary cor. we set off $19^{\circ} 22'$ N. on the decl. arc and at $11^{\circ} 50'$ m. a.m., 1 m. T observe the sun on the meridian the resulting lat. is $40^{\circ} 28'$ N.

From the cor. of secs. 13-14-23 and 24 as reestablished by us this day by resurveys described in Book A and which is identical with the lemp. cor. above described A cabin bears N. $11^{\circ} 42'$ E. 16. chs. deserted, ownership unknown

Thence we run

south on a tree line bet. secs. 23 and 24

Over mountainous land

Ascending gradually to

Subdivision of T 4 S 18 W.

chain.

- 5,50 Foot of steep broken slope covered N.E. and S.W.
- 3100 Top of steep ascent bears N.E. and S.W. 300 ft above cor.
- Thenes over broken high mesa, gradual ascent on N.W. slope in rank thorny undergrowth-
- 4,000 Set a quartzite stone 17x6x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
- 6,000 Top of slope and, spur running S. 60° W. 420 ft above sec. cor.
- 6,200 Begin abrupt descent
- 6,700 The stake set by us this day marking end of resurvey and beginning of new line at 10.00 chs N. of the cor. of secs. 23-24-25 and 26
This point is 70 ft. below tip of spur
Land mountainous
Soil gravelly wash 3rd rate
Timber, scrubby cedar, scattering
Thorny brush undergrowth-
Mountainous land 6,700 chs.-
- From the cor. of secs. 13-14-23 and 24 as reestablished by us this day not run
East on a random line bet. secs. 13 and 24
- 4,000 Set limb. 1/4 sec. cor.
- 80,16 Intersect the Salt Lake Meridian at cor. of secs. 13-18-19 and 24 which is a stone firmly set marked and witnessed as described by the Surveyor general
Thenes not run
West on a true line bet. secs. 13 and 24
Over mountainous land
Ascending
- 2,00 Top of ridge covered N. 5° 57' E. and S. 5° 57' W.
Descend on N.W. slope to
- 11,70 Spur runs N. 25° W. 60 ft below ridge
Begin abrupt descent
- 30,10 Bottom of ravine 275 ft. below spur
38,00 Enter gradual descent on broken mesa 400 ft. below

Subdivision of T. 4 S. 18. 1 W.

chain	top of ridge, course N. 20° E and S. W.
4,008	Set a Quartzite stone 17x9x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
6,000	Edge of broken mesa 100 ft below 1/4 sec. cor. course N.E.
7,000	and S.W. descend to ravine and wash 20 ft deep, course N. 20° W
7,515	Earlier sloping bench 175 ft. below mesa course N.E. and S.W.
	Descend gradually W-
8,0,16	The cor. of secs. 13-14-23 and 24 Land mountainous Soil gravelly wash 3rd rate No timber Mountainous land 80,16 chs.-

May 17, 1900

May 19:	at 8 ⁴² m A.M., first we set off 40° 25' 30" N. on the lat. arc 19° 47' "N on the decl. arc and determine a true meridian with the solar at the temp. witness cor. marking the end of old survey at 38.50 chs. N. of the cor. of secs. 3-4-33 and 34 on S. bdy. of Tp. and described in Book A. -
	Thence no run
	North bdy. secs. 33 and 34
	Over mountainous land
	Descending
1,00	Dry wash in bottom of gulch 300 ft. deep course N. 35° E.; ascend
1,50	Set a lava stone 18x9x6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable. thence west N. 0° 1' W. bet. N 1/2 of secs. 33 and 34
1,75	Wood road runs parallel with gulch
	Thence over broken S.E. slope
14,84	Wash and ravine 20 ft. deep course E.
39,50	Top of ridge E. 315 ft. above gulch
40,00	Set a lava stone 18x8x7 in. 12 in. in the ground for cor. of secs. 27-28-33 and 34 marked

S.S.R. - R. C. L.

Division of T. 4 S.R. 12th.

stone with 1 notch on S. and 3 notches on E. edges : raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pili impracticable.

Land mountainous
Soil gravelly and rocky 3rd rate
Timber, scrubby cedar, scattering
scrub oak and thorny brush undergrowth -
mountainous land 41,500 acs. -

- East on a random line bet. secs. 27 and 34
- 13.92 The limb witness cor. set by us May 18, 1900 to mark the end of old survey at 06.00 chs. N. of the cor. of secs. 26-27-34 and 35 and described in Book A bears N. 83 degs.
- Thence westward
- West on a tree line bet. secs. 27 and 34
- Over mountainous land
- Ascending broken slopes
- 13.92 Intersect N. and S. line ^{83 deg 44' N.} of the cor. of secs. 27-28-33 and 34 from which cor. we removed all markings pertaining to secs 27 and 34, and set a quartzite stone 17x9x6 in., 11 in. in the ground for closing cor. of secs. 27 and 34 marked C.C. on E. face with 1 groove on S. and 5 grooves on N. faces : raised a mound of stones 2 ft. base 1½ ft. high E. of cor.
- Pili impracticable
- This cor. stands 125 ft. above the limb witness cor.
- Land mountainous
- Soil gravelly and rocky 3rd rate
- No timber; scrub oak undergrowth - mountainous land 13.92 chs. -
-

- From the cor. of secs. 28 and 33 run north
1. 0° 1' N. bet. secs. 27 and 28
- Over mountainous land
- Descending
2. 03 Closing cor. for secs. 27 and 34
2. 52 Enter bottom of hollow course E. 60 ft. below cor.
3. 02 Begin steep ascent, bears E and W.
3. 52 Top of spur E. 80 ft. above hollow: descend

Subdivision of T. 4 S. R. 1 N.

chain	
34,00	Enter cor. 250 ft below top of spur, course E and W.
40,00	Set a quartzite stone 18x7x6 in., 12 in. in the ground for 14 rec. cor. of rec. 28 marked 14 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pili impracticable
43,00	Begin ascent on steep broken sloped course E and W.
47,55	Top of spur 75 ft. high course E.
	Begin descent on N. W. slope
67,90	Old road bears N. 30° W. and S. 30° E.
80,00	Set a quartzite stone 18x8x6 in., 12 in. above ground for cor. of recs. 21 and 28 marked with 2 witness on S. and 3 witness on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pili impracticable
	This cor. stands 210 ft. below top of spur
	Land mountainous
	Soil gravelly and rocky 3rd matc
	Timber scrubby cedar scattering
	Mountainous land 80,00 chs. -

From the limb, witness cor. marking end of old survey bds. recs. 22 and 27 set by us May 18, 1900 at 78,60 chs. N. of the cor. of recs. 22-23-26 and 27 and which can be plainly seen from the cor. of recs. 21 and 28, we run
West bds. recs. 22 and 27
Intersect N. and S. line 86 lbs. North from cor. of recs. 21 and 28
Set a black lava stone 17x8x6 in., 11 in. in the ground for closing cor. of recs. 22 and 27 marked C.C. on E. with 2 grooves on S. and 4 grooves on N. face: raised a mound of stones 2 ft. base 1½ ft. high E. of cor.
Pili impracticable
Land level
Soil gravelly
No timber
May 19: at this cor. we set off 19° 48' N. on the decl. arc and at 114° 56' A.M., 1 m. 7 observed the sun on the meridian: the resulting dat. is

Subdivision of T. 4 S., R. 1 W.

chains	40° 27' N.-
4,000	From the cor. of secs. 21 and 28 we run N 0° 1' W. on a random line bet. secs. 21 and 22 Set limb. 1/4 sec. cor.
61,000	The limb. witness cor. marking end of old run. bet. secs. 21 and 22 set by us May 18, 1900 at 19,700 chs. S. of the cor. of secs. 15-16-21 and 22 and described in Book A. bears E. 2 chs. Thence we run South. on a true line bet. secs. 21 and 22
1,45-	Over level sagebrush land
3,800	Head of rocky ravine 20 ft. deep course N. 70° E.
20,05	Road from Utah Valley to Fort Sherman course N. 80° E. and S. 80° W.
21,000	Old road bears S. 66° E. and N. 65° W. Set a lava stone 18x7x6 in. 12 in. in. the ground for 1/4 sec. cor. of sec. 21 marked 1/4 on N. face. raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable.-
46,000	Enter mountainous land course N. W. and S. E.
48,50	Ascend over lava boulders
57,20	Top of spur N. 60° E. 175 ft. above 1/4 sec. cor. Begin gradual descent on broken slopes.
60,14	Old road bears. N. E. and S. W. in head of hollow draining N 60° E. 60 ft. deep.
61,000	Ascenting The closing cor. of secs. 22 and 27 The cor. of secs. 21 and 28 Land mountainous Soil gravelly and rocky 2nd and 3rd rate No timber.
	Mountain land 4,000 chs. -

May 19, 1900

May 20: at 7h 40 m a m, 7 m² we set off
40° 25' N. on the lat. arc. 19° 59' N. on the decl. arc
and determine a true meridian at the cor. of
secs. 4-5-32 and 33 on S bdg. of Tp. which is a
stone firmly set marked and witnessed as described
by the surveyor general: thence we run.

203

Subdivision of T. 4 S. 12. 1 M.

	N $0^{\circ} 2' W$. bet. secs. 32 and 33
	Over mountainous land
	Descending broken slope
21,12	Bottom of gulch 200 ft. below cor. course E. Ascend to
37,60	Top of spur 160 ft. high course S. $75^{\circ} E.$; descend
40,00	Set a quartzite stone 16 x 8 x 5 in. 10 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pil. impracticable -
58,70	Dry wash and bottom of gulch 225 ft. below top of spur, course S. $75^{\circ} E.$; ascend broken slope
59,60	Wood road runs parallel with gulch
80,00	Set a quartzite stone 16 x 8 x 6 in. 10 in. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E. edges; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pil. impracticable This cor. stands 180 ft. above wash
	Land mountainous
	Soil gravelly and rocky 3 rd rate -
	No timber. -
	Scrub oak and thorn undergrowth -
	Mountainous land 8,000 chs. -
	East on a random line bet. secs. 28 and 33
40,00	Set temp. $\frac{1}{4}$ sec. cor.
79,96	Intersect N. and S. line at cor. of secs. 28 and 33 Thence W. river
	West on a line bet. secs. 28 and 33
	Over mountainous land
	Ascending gradually on steep N.E. slope, in rank brush
39,98	Set a quartzite stone 17 x 11 x 6 in. 11 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pil. impracticable
48,60	Top of spur 230 ft. above sec. cor. course S. $60^{\circ} E.$ Begin descent on broken S.W. slope
55,70	Head of gulch 45 ft. deep cor. S. Ascend to

Subdivision of T. 4 S.S.R. 1 N.

chain

- 61,40 Top of spur 60 ft. high course S.; descend
6885 Bottom of gulch 90 ft. deep course S. 25° E.; ascend
77,00 Top of spur 200 ft. above gulch course S.; descend
79,96 The cor. of secs. 28 and 29-32 and 33

Land mountainous

Soil gravelly and rocky. 3rd rate

No timber.-

Scrub oak, maple and thorn undergrowth-

Mountainous land 79,96 chs. -

N. 0° 2' W. bch secs. 28 and 29

Over mountainous land

Ascending on broken slope

- 30,00 Top of ridge 250 ft. above cor. course E. and W.
Descend

- 40,00 Set a brachyte stone 18x9x6 in. 12 in. in the
ground for 1/4 sec cor. marked 1/4 on N. face;
raised as mound of stones 2 ft. base 1 1/2 ft. high
W. of cor. Pits impracticable

- 56,55 Bottom of gulch 280 ft. below ridge course N.
60° E.; ascend

- 69,00 Top of ridge 130 ft. high course N. 60° E.

Descend gradually on broken slope

- 80,00 Set a black lava stone 18x8x8 in. 12 in. in
the ground for cor. of secs. 20-21-28 and 29
marked with 2 notches on S. and 4 notches
on E. edges; raised as mound of stones 2 ft.
base 1 1/2 ft. high W. of cor. Pits impracticable
Thin cor. stands 65 ft. below ridge

Land mountainous

Soil gravelly and rocky 3rd rate

No timber.-

Mountainous land 80,00 chs. -

May 20: at thin cor. we set off 20° 0' 30" N.
on the decl. are and at 1145' 6" a.m., 2 m +
observe the run on the meridian; the
resulting lat. is 40° 27' N.

East on a random line bet. secs. 21 and 28

- 4000 Set temp. 1/4 sec. cor.

Subdivision of T. 4 S. R. 1 W.

chain 8,000	Intersect N. and S. line 5' E. N. of cor. of secs. 21 and 28 Thence we run N. 89° 5' 8" W. on a true line bet. secs. 21 and 28 Over mountainous land Ascending
57.36	Old road bears N. and S.
18,50	Top of ridge bears N. and S. 200 ft. above cor. Descend on broken slope N.W.
40,00	Set a black lava stone 18x10x9 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
44,50	Bottom of gulch and dry wash 235 ft. below top of ridge course N. 50° E.; ascend
59,50	Top of ridge bears N.E. and S.W. 300 ft. above wash:-
8,000	Descend gradually on N.W. slope The cor. of secs. 20-21-28 and 29 Land mountainous Soil gravelly and rocky 3rd rate No timber Mountainous land 8,000 chs.-
40,00	N. 0° 2' W. bet. secs. 20 and 21 Over mountainous land Descending on broken slopes
58,10	Set a lava stone 18x9x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. -Pili impracticable Dry wash in bottom of gulch 330 ft. below sec. cor. course N.E.
69,00	Wood road runs parallel with gulch Begin abrupt ascent Top of sharp rocky ridge 225 ft. above wash bears N 80° E. and S. 80° W.; descend
8,000	Set a lava stone 17x9x6 ins. 11 ins. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 notches on E. edge

Subdivision of T. 4 S. R 1 W.

chain	raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pili impracticable. Thin cor. stands 150 ft. below ridge. Land mountainous. Soil gravelly and rocky 3 rd rate. No timber. - Oak brush scattering. Mountainous land 8,000 chs -
4,000	S. 89° 58' E. on a random line bet. sec. 16 and 21 Set limpf. 1/4 sec. cor.
5,8,00	The limpf. witness cor. marking end of old survey bet. sec. 16 and 21 established by us May 19, 1900 at 22 chs. N. of cor. of sec. 15-16-21 and 22 bears N. 7.0 lks. dist. Thence we run West on a true line bet. sec. 16 and 21 Over mountainous land
18,00	Set a low stone 17 x 11 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 over N. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pili impracticable. Thin cor. stands on top of spur 85 ft. above the limpf. cor marking end of old survey; course N. 20° E. : descend
20,00	Shearing corral bears N. 8 chs -
23,55	Bottom of gulch and dry wash 75 ft. below spur course N. 30° E. : ascend
24,40	Wood road course parallel with gulch
24,90	A small cabin bears S. 1. chs - used while shearing sheep, now deserted
5,8,00	Intersect N. and S. line 65 lks. N. of cor. of sec. 16 17-20 and 21 from which we remove all markings, portion of sec. 16 and 21. Set a brick 1/2 stone 18 x 8 x 6 ins. 12 in. in the ground for clearing cor. of sec. 16 and 21 marked C.C. on E. with 3 grooves on S. and 3 grooves on N. faces; raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pili impracticable. Thin cor. stands 230 ft. above the wash. Land mountainous. Soil gravelly and rocky 3 rd rate. No timber

- 6 -

Subdivision of T. 4 S. R. 1 W.

chains	Mountainous land 58.00 chrs. - May 20, 1900
4,000	May 21: at 7 ^h 26 ^m a.m. I mt we set off 40° 28' N. on the lat. arc 20° 11' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 17 and 20 then we run N. 0° 2' W. on a random line bet secs. 16 and 17 at temp. 74 sec. cor.
5,665	The temp. in this cor. bet secs. 16 and 17 established by us this day at 24.00 chrs. S. of the cor. of secs. 8-9-16 and 17 and described in Book A. bears E. 4 degs.
16,65	Then we run South-ord a true line bet secs. 16 and 17. Ascending gradually, in sagebrush Set a brachytile stone 18x7x6 in., 12 in. in the ground for 1/4 sec. cor. ^{of sec. 17} marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pit impracticable This cor. stands at the foot of the mountain course N. 75° W. and S. 75° E.; ascend in large boulders Enter mountainous land Top of spur 200 ft above 1/4 sec. cor. course E. Descend
40,60	Bottom of gulch and dry wash 65 ft below spur Begin ascent
45,70	The closing cor. of secs. 16 and 21
55,97	The cor. of secs. 17 and 20
56,65	This cor. stands 95 ft. above bottom of gulch Land gently sloping bench and mountainous Soil gravelly and rocky 2nd and 3rd rate No timber. - Oak brush and thorn undergrowth Mountainous land 40.00 hrs. -
40.00 16.65	The south bdg. of secs. 32 being irregular in measurement, we run on sectional correction line From the cor. of secs. 28-29-32 and 33 as heretofore described
	West bdg. secs. 29 and 32 Over Mountainous land

Subdivision of T. 4 S. R 1 W.

chain	Descending
6,30	Bottom of gulch 90 ft below cor. course S. 30° E.
	Ascend
13,00	Top of spur 110 ft above gulch course S. 26° E. There's wood broken slope to
4,000	Set a lava stone 18x9x6 in. 12 in. in the ground for 1/4 sec cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable.
5,130	Bottom of gulch and dry wash course S. 80° E. Wood road runs parallel with gulch
	Ascend in brush
74,00	Top of spur 100 ft. above wash. course N. Descend gradually on N. slope to
8,000	Set a quartzite stone 18x9x6 in. 12 in. in the ground for cor. of secs. 29-30-31 and 32 marked with 1 notch on S. and 5 notches on E. edges: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable Land mountainous Soil gravelly and rocky 3rd rate No timber. - Some oak brush scattering Mountainous land 8.000 chs. -

	For reasons stated at cor. of secs. 28-29-31 and 33 We run S. 0° 2' E. bet. secs. 31 and 32 Over mountainous land Ascending broken slope
31,00	Top of ridge 290 ft. above cor. course E and W Descend
4,000	Set a lava stone 16x9x7 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable
6,120	Bottom of gulch 260 ft. below ridge course E. Ascend to
- 8,000	Intersect S. bdy. of Tp. 2,48 chs. W. of cor. of sec. 5-6-31 and 32 which is a stone firmly set marked and witnessed as described by the surveyor general; from which cor. we remove all markings

Subdivisions of T. 4 S. R. 1 N.

chain
pertaining to secs. 31 and 32, and -
Set a brachytic stone 17 x 8 x 6 in. 11 in. in the
ground for closing cor. of secs. 31 and 32 marked
C.C. on N. with 1 groove on W. and 6 grooves on E.
faces; raised a mound of stones 2 ft. base 1½ ft.
high N. of cor. Pili impracticable.-
Land mountainous
Soil gravelly and rocky 3rd rate
No timber.
Mountainous land 8,000 chs.-
May 21, 1900

May 22: at 7442 m a m, 7 m^t was set off
40° 26' N. on the lat. arc 20° 23' 30" N on the decl.
arc and determined a true meridian with
the solar at the cor. of secs. 29-30-31 and
32 thence we run
West on a random line bet. secs. 30 and 31
4,000 Set C.C. 1/4 sec. cor.
77,44 Intercept N. half of T. 14 elev. N. of cor. of sec.
25-30-31 and 36 which is a stone firmly set
marked and witnessed as described by the
Surveyor general.
Thence we run
N. 89° 3' 4" E. on a true line bet. secs. 30 and 31
Over mountainous land
Ascending broken slope
2,900 Top of ridge 200 ft above cor. course N 75° E
and S. 75° W.; descend on S. E. slope
37,44 Set a brachytic stone 17 x 8 x 6 in. 11 in. in
the ground for 1/4 sec. cor. marked 1/4 on N.
face; raised a mound of stones 2 ft. base 1½
ft. high N. of cor. Pili impracticable
76,40 Bottom of gulch and dry wash 400 ft. below
top of ridge course N. 70° E.; ascend
77,44 The cor. of secs. 29-30-31 and 32
Land mountainous
Soil gravelly 3rd rate
No timber.
Mountainous land 77,44 chs.-

BUNK 776

Subdivision of T. 4 S.R. 1 N.

chain	N 0° 2' W. bet. sec. 29 and 30 Over mountainous land Descending to
0.40	Bottom of gulch and dry wash course N. 65° E ascend on broken slope
2985	Top of ridge 275 ft above wash course E. and W. Descend
4,000	Set a quartzite stone 18 x 8 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable
49.11	Bottom of gulch 200 ft below ridge course N. W. Ascend gradually over rolling slope
8,000	Set a quartzite stone 17 x 9 x 6 in. 11 in. in the ground for cor. of sec. 19-20-29 and 30 marked with 2 notches on S. and 5 notches on E. edges; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable Land mountainous Soil gravelly and rocky 3rd rate No timber Dense Oak brush undergrowth Mountainous land 8,000 obs. -
4,000	East on a random line bet. sec. 20 and 29 Set temp. 1/4 sec. cor.
8016	Intersect N. and S. line 12 hrs. S. of cor. of sec. 20-21-28 and 29 Thence W. run
5890.65	S 89° 65' W on a true line bet. sec. 20 and 29 Over mountainous land Ascending on broken N.E. slope
3,500	Top of ridge bears N.E. and S.W. 275 ft above cor. Begin abrupt descent
40,08	Set a trachyte stone 18 x 6 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable
4860	Bottom of gulch 155 ft. below ridge course N. Ascend
6810	Top of spur 300 ft. above gulch course N.

Subdivision of T. 4 S. 12. 1 W.

80,16	Descend to Bottom of ravine 40 ft. deep course N. : ascend Tip of ridge bears N.W. and S.E. : descend on S.W. slope to Thin cor. of sects. 19-20-29 and 30 Land mountainous Soil gravelly and rocky 3rd rate No timber Dense oak brush underneath Mountainous land 80,16 chs. - May 22: at thin cor. we set off 20° 25' N on the decl. are and at 114° 56' E m, 7 m - crosses the cor. on the meridian; the resulting lat. is 40° 27' N. -
400,1	8.89° 54' N. on a random line bet. sects. 19 and 30 Set comp. 1/4 sec. cor.
77,28	Ordered N. bdy. of Tp. 7 line N. of cor. of sects. 19, 24-25- and 30 which is a line firmly set marked and witnessed as described by the Surveyor General Therein are runs N. 89° 57' E. on a tree line bet. sects. 19 and 30 Over mountainous land Ascending gradually on N. slope in brush Set a quartzite stone 10 x 8 x 6 in., 11 in in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable. - Thin cor. stands on tip of ridge 220 ft. above sec cor. course N.E. and S.W. Descend abruptly
65,90	Bottom of gulch and dry wash 360 ft. below tip of ridge, course N. : ascend on S.W. slope Thin cor. of sects. 19-20-29 and 30 Thin cor. stands 130 ft. above wash Land mountainous Soil gravelly and rocky 3rd rate No timber Mountainous land 77,28 chs. -

Subdivision of T. 4 S. R 1 W.

chain	N 0° 2' W. bet. secs. 19 and 20
	Over mountainous land
	Ascending
3,00	Top of ridge bears N. 60° W. and S. 60° E., descend
27,75	Wood road bears N. 75° E. and S. 75° W.
28,45	Bottom of gulch and dry wash 440 ft below ridge, course N. 75° E.
	ascending bottom slope E.
4,000	Set a quartzite stone 17 x 9 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 cor. N. face raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pit impracticable
57,60	Top of ridge 290 ft. above wash course E. and W.
	Descend
66,00	Saddle forming head of gulch draining N.W. and N. 65° E. 165 ft. below ridge:
68,00	Begin ascent on spur S.
8,000	Set a quartzite stone 16 x 8 x 6 in. 11 in. in the ground for cor. of secs. 17-18-19 and 20 marked with 3 notches on S. and 5 notches on E. edges raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pit impracticable
	This cor. stands on S. end of ridge running N. and 90 ft. above saddle
	Land mountainous
	Soil gravelly and rocky 3 rd rate
	No timber
	Mountainous land 80,000 acrs.-
	May 22, 1900

May 23: At 7⁴ 35^m a.m., first we set off 46° 28' N. on the lat. arc 20° 35' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 17-18-19 and 20
 Thence we run
 N. 89° 53' E. on a random line bet. secs. 17 and 20
 4,000 Set temp. 1/4 sec. cor.
 8,000 Intercept N. and S. line 16 1/2 ft. N. of cor. of secs. 17 and 20
 Thence we run
 N. 89° 58' W. on a true line bet. secs. 17 and 20

Subdivision of T 4 S, R 1 W.

chain	Over mountainous land
15,00	On broken N. slope and large boulders, ascending gradually Top of spur N.E. 100 ft. above cor. 1 descend
17,50 3200 40,00	Bottom of gulch 40 ft. deep course N.E.: ascend Top of spur 100 ft. high course N. 20° E. Set a lava stone 18 x 7 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
42,45	Dry wash 25 ft. deep course N. 60° E Ascent becomes steeper to
80,00	The cor. of secs. 17-18-19 and 20 This cor. stands 400 ft. above the cor. of secs. 17 and 20 Land mountainous Soil gravelly and rocky - stones with large boulders No timber Mountainous land 80,00 chs. -
4,000	S 89° 6' W on a random line bet. secs. 18 and 19 Set Lins 1/4 sec. cor.
93,60	Intersect N. bdy. of Tp. at cor. of secs. 13-18-19 and 24 which is a stone firmly set marked and witnessed as described by the surveyor general. - Thence westward
	N 89° 6' E on a true line bet. secs. 18 and 19
	Over mountainous land
	Ascending on broken slope
10,20	Top of spur 75 ft. high course N. 15° E. descend
21,30	Bottom of ravine 115 ft. deep course N.: ascend
33,50	Top of ridge 200 ft. high course N. and S.
53,60	Descend on S. E. slope to set a quartzite stone 18 x 9 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
82,60	Wood road runs N. and S. in bottom of gulch
82,70	Dry wash 200 ft. below ridge course N. 10° E. Ascend to
- 93,60	The cor. of secs. 17-18-19 and 20 This cor. stands on top of ridge 140 ft. above wash Land mountainous

Subdivision of T. 4 S. R. 1 W.

chain. Soil gravelly and rocky 3rd rate
No timber
Mountainous land 93,600 acres.-

- N. 0° 2' W. bet. secs. 17 and 18
Over mountainous land
Along top of ridge to
4,000 Begin steep descent
17,050 Bottom of gulch and dry wash course N. 75° E. 310 ft
below sec. cor.: ascend
30,350 Top of sharp ridge 205 ft. above wash course N. 80° E.
and S. 80° W.: descend
35,700 Descent becomes less steep, and broken 110 ft below top
of ridge course N. 75° E. and S. 75° W.
4,700 Set a quartzite stone 16 x 8 x 5 in. 11 in. in the
ground for 1/4 sec. cor. marked 1/4 sec. W. face:
raised a mound of stones 2 ft. base 1 1/2 ft. high W.
of cor. Pits impracticable
May 23: at this 1/4 sec. cor. we set off 20° 37' N.
on the decl. arc and at 114 5.7 m a m, 1 m 7 above
the sun on the meridian: the resulting lat.
is 40° 28' N.
56,080 Bottom of ravine 270 ft below top of ridge course
N. 76° E.: ascend
62,000 Top of spur 76 ft. high course N. 75° E.: descend
8,000 Set a lava stone 17 x 10 x 8 in. 11 in. in the
ground for cor. of secs. 7-8-17 and 18 marked
with 4 notches on S. and 5 notches on E. edges:
raised a mound of stones 2 ft. base 1 1/2 ft. high
W. of cor. Pits impracticable
This cor. stands 460 ft below the cor. of secs. 17-
18-19 and 20.-

Land mountainous

Soil gravelly and rocky 3rd rate-

No timber

Mountainous land 8,000 acres.-

- S. 89° 58' E. on a random line bet. secs. 8 and 17
4,000 Set landmarks 1/4 sec. cor.
55,120 The temp. witness cor. marking end of old
survey bet. secs. 8 and 17 set by us May 21, 1900

Subdivision of T. 45.R.1 S.W.

- chains at 25.00 chrs W. of the cor. of secs. 8-9-16 and 17
and described in Book "A" bears N. 83° E.
Thence no run
West on a true line bet. secs. 8 and 17
Over gently sloping sagebrush land
Dry wash 15-ft deep crosses N. 53° E
Set a brachytile stone 16 x 10 x 6 in. 11 in. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
raised a mound of stones 2 ft. base 1 1/2 ft. high
N. of cor. Pili impracticable
- 2,40
15,06
5-5,12
- Intersect. N. and S. line 78 hrs. N. 0° 8' E. of cor. of secs.
7, 8-17 and 18 from which cor. were removed all
markings pertaining to secs. 8 and 17 --
Set a low stone 17 x 8 x 6 in. 11 in. in the
ground for closing cor. of secs. 8 and 17
Marked C.C. on E. with 4 grooves on S and
2 grooves on N. face; raised a mound of
stones 2 ft. base 1 1/2 ft. high E. of cor.
Pili impracticable. --
This cor. stands at the foot of the mountain
crosses N. 70° W. and S. 70° E
Land level, rolling
Soil gravelly wash, rocky and rather
No timber
-
- S 89° 57' W. on a random line bet. secs. 7 and 18
4,000 Set 1/4 sec. cor.
93,46 Intersect W. bdy. of Th. 25 hrs. S. of cor. of secs.
7-12-13 and 18 which is a stone firmly set
marked and witnessed as described by the
surveyor general
Thence no run
East on a true line bet. secs. 7 and 18
Over mountainous land
On broken N. slope.
20,15 Ravine 60 ft. deep crosses N. 10° E.: ascend
35,00 Top of spur 120 ft. high crosses N. 20° E.: descend
53,46 Set a brachytile stone 18 x 9 x 6 in. 12 in. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
raised a mound of stones 2 ft. base 1 1/2 ft. high
N. of cor. Pili impracticable

Subdivision of T. 4 S. 12. 1 W.

chain 56.00	Bottom of gulch and dry wash 160 ft. below spur, course $N. 15^{\circ} E.$
56.85	Wood road runs parallel with gulch Begin ascent
64.45	Top of spur 90 ft. above wash course N. descend
93.46	The cor. of sec. 7 and 18. Thin cor. stands 175 ft. below tip of spur Land mountainous soil gravelly wash covered with large boulders 3rd m Timber scrubby cedar scattering Mountainous land 93.46 chs.-
	May 23, 1900

40.70	May 24: at 7 ^h 35 ^m a.m., I set out west off 40° 28' 40" N. on the lat. arc 20° 46' 20" N. on the decl. arc and determine a true meridian with the Solar at the cor. of secs. 7-8-17 and 18 Thence we run N. 0° 2' W. on a random line bet. sec. 7 and 8
40.70	The 1/4 sec. cor. bet. sec. 7 and 8 re-established by us on resurvey line and described in Book A under this date bears. E. 18 like dist.
	Thence we run S 0° 6' W. on a true line bet. sec. 7 and 8
17.48 39.92	Ascending gradually on sloping bench Ridge transition running from Jordan Hollow to Big Creek corner 100'. The closing cor. of sec. 8 and 17 at foot of mountain course N 70° 20' and S 70° E., ascend
40.70	The cor. of sec. 7 and 18 Land gently sloping soil gravelly wash 1 st and 2 nd rate no timber

May 24, 1900.

General Description

The portion of this township covered by the present survey is all mountainous land with the exception of a narrow fringe of bench along the north eastern edge. The soil is fertile but water for irrigation can never be obtained. The bench land may produce a short crop.

Subdivision of T. 4 S. R. 1 W.

in some season without irrigation. - It is now covered with sagebrush mainly but affords good range for stock during the summer months. There is no timber of any value but considerable brush undergrowth. -

There are no mines nor quarries nor indications of mineral of any kind. There is no water all streams and springs dry up in the early spring. There are no settlers within this portion of the township. -

Andrew P. Hansen
Henry E. Giers
U.S. Deputy Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 189 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

of the
meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature] *John C. H. [Signature]*
United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1901, 189_____
The foregoing field notes of the survey of *The subdivision lines of Ironwood*,
4 South Range 1 West of the Salt Lake Base Meridian, Utah.

executed by *Andrew P. Hanson & Henry E. Lewis*
under his contract No. *230*, dated *April 26*, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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C. H. M., NOV. 4, 1901.

4-679.

255
F. G. B.
S. C. S.

C.

BOOK A.262

H. J. B.

FIELD NOTES

OF THE SURVEY OF THE

Resurvey of Salt Lake Meridian

through

Township No 4 South, Range 1 East $\frac{3}{4}$ of 1 West

of the Salt Lake Basal and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hansen and Henry E. Geiss, United States Deputy Surveyor,
Under their Contract No. 230, dated April 26, 1899.

Survey commenced May 18, 1899.

Survey completed May 18, 1899.

c-101

W. C. B. 1901
M. C. B. 1901
M. C. B. 1901

NAMES AND DUTIES OF ASSISTANTS.

L L Elliott - - Chairman

Fred Dartrell - - Chairman

Fred Sommerer - - Groundman

W W Barlow - - Axman

Fred Sommerer Axman

W.W. Barlow Flagman

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
10	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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PRELIMINARY OATHS OF ASSISTANTS.

WE, L L Elliott and Fred Dartnell
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
The Survey of the Salt Lake Meridian through Tp. 4 S. Sec. 11, R. 1 E. D. M.
Fred Dartnell, Chainman.
L L Elliott, Chainman.

Subscribed and sworn to before me this 15th
 day of May, 1890 } }



Sam Raney
 Notary Public

WE, Fred Sommers and
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of my skill and ability, in the survey of
The Survey of the Salt Lake Meridian through Tp. 4 S. Sec. 11, R. 1 E. D. M.
Fred Sommers, Moundman.
Fred Sommers, Moundman.

Subscribed and sworn to before me this 15th
 day of May, 1890 } }



Sam Raney
 Notary Public

WE, Fred Sommers and W W Barton
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
The Survey of the Salt Lake Meridian through Tp. 4 S. Sec. 11, R. 1 E. D. M.
W W Barton, Axman.
Fred Sommers, Axman.

Subscribed and sworn to before me this 15th
 day of May, 1890 } }



Sam Raney
 Notary Public

I, W W Barton, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of
The Survey of the Salt Lake Meridian through Tp. 4 S. Sec. 11, R. 1 E. D. M.
W W Barton, Flagman.

Subscribed and sworn to before me this 15th
 day of May, 1890 } }



Sam Raney
 Notary Public

Resurvey, Salt Lake Meridian through T. 4 S.

chain. Survey commenced May 18, 1900 and executed with a W & L E Gurley light transit compass with solar attachment. - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 11, 1900

A full test of the adjustments of the transit and accuracy of the solar apparatus having been completed May 17, 1900 and described in Book A of this survey, at the beginning of resurvey of subdivision lines of T 4 S R 1 W reference to which is hereby made we consider it unnecessary to repeat the test at this time, knowing the adjustments to still remain satisfactory. —

Note: It being evident from the survey of S. W. and N. bds. of sec. 13 that a large error exist in the survey of Ea bdg. of said sec. as furnished us by the surveyor general and a resurvey of said line becomes necessary in order to make proper closing of said sec. Therefore we go to the cor. of secs. 7-12-13 and 18 on the Salt Lake Meridian, in Tp 4 S, R. 5 1/2 E and 1 W. latitude $40^{\circ} 29'$: N. longitude $111^{\circ} 54' W.$ Which is a hard porphyritic stone $8 \times 7 \times 6$ in above ground and firmly set, marked with 2 notches on N. and 4 notches on S. edges (the 4 notches is more towards the E. than S.) and a mound of stones 2 ft. base 1 ft. high on the S.W. side of cor.

In order to fully identify this cor we run north on a blank line bet. secs. 7 and 12: at 40.17 we intersected the 1/4 sec. cor. which is a porphyritic stone $9 \times 8 \times 6$ in above ground firmly set and marked 1/4 on N. face: a small mound of stones on W side

Resurvey, Salt Lake Meridian through T. 4 S.

Chains of corr. 1; at 8,000 chrs we intersect the corr. of secs. 1-6-7 and 12 which is a stone run in the centre of "State Road" 4,000 chrs N. of where the same debouches westward to escape climbing the traverse mountain this corr. is marked with 1 notch on the N. and 5 notches on the S. edges; - From this corr. the road runs north for about two miles where it makes a short turn eastward and then continues north. This road is known to the settlers to be the Salt Lake meridian and the sec. line dividing R. I. E. and R. I. W.)

From corr. of secs. 7-12-13 and 18 as heretofore described we run south - on a blank line bet. secs. 13 and 18 (note: the reason for running south instead of S. 10° 07' E. the course of original survey is that prior surveys indicate we shall nearly intersect corr. of secs. 13-18-19 and 24 on this course) At 4,000 chrs a diligent search failed to discover any trace of original spec. corr. 1; at 7,972 chrs the corr. of secs. 13-18-19 and 24 bears N. 46° 11' E. dist. being a quartzite stone 7 x 6 x 6 in. above ground firmly set and marked with - 3 notches on S. and N. edges : a small mound of shorter N. of corr.; the falling answers to a course N. 0° 20' E. but to more fully identify this corr. we run south - bet. secs. 19 and 24 on a blank line and at 4,000 and 8,000 chrs intersect the 14 sec. corr. and corr. of secs. 19-24-25 and 30 respectively each being firmly set marked and witnessed as described by the surveyor general. -

From corr. of secs. 13-18-19 and 24 as heretofore described we run, on resurvey line
N. 0° 20' E. bet. secs. 13 and 18
Over mountainous land
Ascending to

- 3,00 Top of ridge course N. E. and S. W., descend to
- 12,00 Bottom of hollow drain S. 70° W. 8-0 ft. deep: ascend
- 25,40. Top of main ridge of traverse mountain course N 60° E and S 60° W. 150 ft. above hollow. -

Survey, Salt Lake Meridian through T. 4S.

chain	Begin abrupt descent
39,86	Set a quartzite stone 16 x 8 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 14 on N. face & raised a mound of stones 2 ft. base 15 ft. high W. of cor. Pile impracticable
60,00	Entire bench course N.E. and S.W.
65,30	Begin abrupt descent course N.E. and S.W.
71,00	Entire gradually sloping bench course N.E. and S.W.
79,72	The cor. of sec. 7-12-13 and 15 Thin cor. stands 670 ft below lip of mountain Land mountainous Soil & rarely 3rd rate No timber Mountainous land 7972 ch.

May 18, 1900

General Description.

For General Description see subdivision notes of
T.R. 4S R^o 1 E. and 1 W.

Andrew P. Stevens
Henry E. Gier
U.S. Deputy Surveyor

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

....., of the

....., meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to before me this

day of, 180

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800000
800000

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Henry E. Giers

United States Deputy Surveyor,

I, *Henry E. Giers*, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from *Jacob H. Moore*,
United States Surveyor General for *Ste. C. District, Dela.*, bearing date of *1891*,
the 15th day of *April*, 1891, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for *The Contract of Dela.*, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of *The Dahl Lake District,*
Through Fred. Carlson, M.L.E.C.D.

..... meridian, in the *State* of *Dela.*, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for *The Contract of Dela.*, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Henry E. Giers
United States Deputy Surveyor

Subscribed by said *Henry E. Giers*, and sworn to before me }
this 15th day of May, 1891. }

SEAL
000000

J.W. Brewster
Adj'tl. Com'g. Cor.
Gen. Land C.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 1891

The foregoing field notes of the survey of

executed by,
under his contract No., dated ..., 1891, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

United States Surveyor Gen.

I certify that the foregoing transcript of the field notes of the above-described surveys in,
has been correctly copied from the original notes on file in this office.

United States Surveyor Gen.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hansen and Henry E. Ginn, United States Deputy Surveyors to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of The Resurvey of the Salt Lake Meridian through Tp. 4 S. Sept. 18. 1890 showing the respective capacities in which they acted:

L. L. Elliott, Chainman.

Fred Dartnell, Chainman.

Fred Sommerer, Moundman.

W. W. Barton, Axman.

Fred Sommerer, Axman.

, Axman.

W. W. Barton, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hansen and Henry E. Ginn, United States Deputy Surveyors in surveying all those parts or portions of the Resurvey of the Salt Lake Meridian through Tp. 4 S.

of the Salt Lake Baseline and meridian, State Utah from here to there, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

L. L. Elliott, Chainman.

Fred Dartnell, Chainman.

Fred Sommerer, Moundman.

, Moundman.

W. W. Barton, Axman.

Fred Sommerer, Axman.

W. W. Barton, Flagman.

Subscribed and sworn to before me this 13th day of August, 1890 }



Sam Raney
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob McLean, United States Surveyor General for The District of Columbia, bearing date of 26 day of October 1899, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for The District of Columbia, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Washington Boundary through Township 4 South between Range 1 East & 1 West.

meridians in the State of Delaware, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The District of Columbia, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P. Hanson
United States Deputy Surveyor

Subscribed by said Andrew P. Hanson, and sworn to before me }
this 9th day of May 1901. }

SEAL
SIXTY EIGHT

Edward H. Anderson
U.S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1901.

The foregoing field notes of the survey of the Salt Lake Basin & Mountain through Township 4 South between Range 1 East & 1 West

executed by Andrew P. Hanson, dated Aug 6, 1900,
under his contract No. 230, dated Oct 21, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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X.S.B.

FIELD NOTES

OF THE SURVEY OF THE

East BoundaryofTownship No 4 South Range No 1 Eastof the Salt Lake Base and Meridian,State of Utah

AS SURVEYED BY

Andrew P. Hanson and Henry E. Giers, United States Deputy Surveyor,
their
Under his Contract No. 230, dated April 26, 1899

Survey commenced May 24, 18900

Survey completed May 25, 18900

6-161

Survey Party No. 1 - 00-54 ✓

NAMES AND DUTIES OF ASSISTANTS.

L. L. Elliott chairman

Fred Darstrell Chairman

Fred Sommerer Correspondence

W. W. Barker Assessments

Fred Sommerer Assessments

W. W. Barker Financial

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, L L Elliott and Fred Dartnell

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we shall be measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

The E. bdy. of T. 4 S 12 1/2 E. - W. bdy. of T. 11 N R. 5 E. - N. and N. bdy. of T. 11 N R. 4 E. and
W. bdy. of T. 12 N. 12. 4 E.

L L Elliott, Chainm

Fred Dartnell, Chainm

Subscribed and sworn to before me this 15th
day of May, 1890 }



Sam Raney
Notary Public

WE, Fred Sommers and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corniers, according to the instructions given us, to the best of our skill and ability, in the survey

The E. bdy. of T. 4 S 12 1/2 E. - W. bdy. of T. 11 N R. 5 E. - N. and N. bdy. of T. 11 N R. 4 E. and
W. bdy. of T. 12 N. 12. 4 E.

, Moundm

Fred Sommers, Moundm

Subscribed and sworn to before me this 15th
day of May, 1890 }



Sam Raney
Notary Public

WE, W.W. Barton and Fred Sommers

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corniers and other duties, according to instructions given us, to the best of our skill and ability, in the survey

The E. bdy. of T. 4 S 12 1/2 E. - W. bdy. of T. 11 N R. 5 E. - N. and N. bdy. of T. 11 N R. 4 E. and
W. bdy. of T. 12 N. 12. 4 E.

W.W. Barton, Axm
Fred Sommers, Axm

Subscribed and sworn to before me this 15th
day of May, 1890 }



Sam Raney
Notary Public

I, W.W. Barton,

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of The E. bdy. of T. 4 S 12 1/2 E. - W. bdy. of T. 11 N R. 5 E. - N. and N. bdy. of T. 11 N R. 4 E.
and W. bdy. of T. 12 N. 12. 4 E.

W.W. Barton, Flagm

Subscribed and sworn to before me this 15th
day of May, 1890 }



Sam Raney
Notary Public

-1-

East boundary of T. 4 S, R. 1 E.

chain

Survey commenced May 24, 1900 and executed with a M & L E Gurley light mountain transit with solar attachment. - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. -

The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah April 11, 1900.

Determine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing its indication resulting from solar observation made during a.m. and p.m. hours with a true meridian determined by observation on Polaris proceed as follows. At 4⁴⁴40^m p.m., I m^t we set off 40°27' N. on the lat. arc 20°50'30" N. on the decl. arc and determine a true meridian with the solar at the cor. of sec. 19-24-25 and 30 on the Salt Lake meridian, T. 4 S R. 1 E and 1 W. and compare the same with the true meridian established by us at this cor. by Polaris observation May 17, 1900 and marked on a stone 475' due N. of the cor. as fully described in Book "A." Resurveys of subdivision line T. 4 S R. 1 W. reference to which is hereby made. -

The solar apparatus indicates the same meridian as at that time. -

May 24 1900

May 25: at 7⁴³33^m a.m., I m^t we set off 40°27' N. on the lat. arc 20°57'30" N. on the decl. arc and compare the indication for true meridian with the true meridian determined by Polaris observation at the cor. of sec. 19-24-25 and 30 T 4 S R. 1 E and 1 W as above described and find differences to be within 1' of arc. -

The indications for true meridian by p.m. and a.m. observation respectively being within 1' of arc of the true meridian established by Polaris.

East boundary of T. 45 R 1 E

chain observation we consider the adjustments of the instrument satisfactory. -

The mean mag. decl. was found to be as given in Book A. -

Note: Previous survey of N. bdy of this Th together with records furnished by the surveyor general indicating that we shall probably close within the limit on the N. bdy. therefore;

From the cor. of secs. 1-6-7 and 12 on E. bdy. of Th. 45 R 1 E. latitude $40^{\circ}30'$ N longitude $111^{\circ}47'$ W. which is a stationary granite stone marked and witnessed as described by the surveyor general we run

North on a random line bet. secs. 1 and 6
Set comp. $\frac{1}{4}$ sec. cor.

4000 Intersel S. bdy of T. 3 S. 12. 2 E. 40 Uts. E. of cor. of Ths. 3 and 4 S 12 $\frac{1}{2}$ 1 and 2 E. which is a stone firmly set marked and witnessed as described by the surveyor general. -

Thence we run

S. $0^{\circ}17'$ E. on a true line bet. secs. 1 and 6
Over mountainous land

Descending abruptly among huge granite blocks and boulders and rank undergrowth.

Stream 3 ft. wide course S 10° E

40,64 Set a granite stone $18 \times 9 \times 6$ in 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Path impracticable

6100 Ravine 90 ft. deep course S 15° E.
ascending to

63,20 Spur S. 20° E.: descend

80,64 The cor. of secs. 1-6-7 and 12

This cor. stands 1430 ft. below the cor. of Th. Land mountainous

Soil, barren granite rock and huge fragments of same, mainly

Tinder, scattering scrubby mahogany and cedar thorny brush and scrub oak undergrowth -

Mountainous land 80,64 cor.

East Boundary of T. 4 S. R. 1 E.

May 25, 1900

Boundaries of T 4 S 17 E
Latitude Departure and closing error

Line designated	True bearing	Distance chi	Latitude		Departure		Spiral.
			N. chi	S. chi	E. chi	W. chi	
Salt Lake Meridian	North	400.00	400.00				/
" "	$N.0^{\circ}20'E$	79.72	79.72		0.47		/
North 1st Bldy	East	480.46			480.46		/
East	South	400.00		400.00			/
" "	$50^{\circ}17'E$	80.64		80.64	0.40		/
South "	West	480.00				480.00	/
Convergence					0.61		
Totals			479.72	480.64	481.94	480.00	
				479.72	480.00		
Errors in lat. and dep.			0.92	1.94			

For general description see subdivision of this township,
Blocks E. -

Andrew P Hansen

Henry E Giers

U.S. Deputy Surveyor

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____,

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____,

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____,

United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____,

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 180_____ }

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29 27th 1897
P. 151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John C. H. Morrissey, Deputy Surveyor, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for a survey of the Land, bearing date of 1897, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Land of the Land meridian, in the State of Massachusetts, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the Manual of Surveying Instructions, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur the penalty of perjury under the provisions of an Act of Congress approved August 7, 1866.

[Signature]
United States Deputy Surveyor

Subscribed by said John C. H. Morrissey, and sworn to before me this 15th day of September, 1897.

622000
884000
600000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

W. H. Morrissey, Deputy Surveyor, 1897.
*The foregoing field notes of the survey of the Civil Interventory of French
Heath Range 1 East of the Civil Interventory of French
Range, State,*

executed by George P. Morrissey of Gloucester, Mass.
under his contract No. 230, dated April 1, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward F. Pickering
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in Gloucester, Mass., has been correctly copied from the original notes on file in this office.

United States Surveyor General

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C.M.A. " 2,27,1101.
4-679. S.B.S.
E.
BOOK A-262

4-679
281

A.J.R.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 4 South - Range No 1 East

of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Andrew R. Hanson and Henry E. Giese, United States Deputy Surveyor,
Under his Contract No. 230, dated April 26, 1899

Survey commenced July 25, 1890

Survey completed July 29, 1890

6-161

Scale 1:64000
July 29 1890 ✓

NAMES AND DUTIES OF ASSISTANTS.

L. L. Elliott - - - Chairman

Fred Dartnell - - - Chairman

Fred Sommerer - - - Moundman

W. W. Barton - - - Asst. man

Fred Sommerer - - - Asst. man

W. W. Barton - - - Flagman

*See Preliminary affidavit, see Book B Pg 45 Pg 197

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainma

_____, Chainma

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundm

_____, Moundm

Subscribed and sworn to before me this _____ }
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor
and other duties, according to instructions given us, to the best of our skill and ability, in the surve

_____, Axm

_____, Axm

Subscribed and sworn to before me this _____ }
day of _____, 189 }



I, _____, do solemnly swear that I will well and tr
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, Flagm

Subscribed and sworn to before me this _____ }
day of _____, 189 }



Subdivision of T. 4 S. R. 1 E.

chain Survey commenced May 25, 1900 and executed with a W. & L. E. Gurley light aneroid mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 11, 1900.

Having examined the adjustment of the instrument and completed a full test of the solar apparatus this day at the commencement of survey of E. bdy. of this Tp. as fully described in Book D. referenced to which is hereby made we consider it unnecessary to repeat the test at this time. We begin at the cor. of secs. 1-2-11 and 12 T.p. 4 S. R. 1 E. which is a stone firmly set marked and witnessed as described by the surveyor general; where at 245^m p.m., 2 m. 2 sec. off 40° 30' N. on the lat. arc 21° 0' N. on the decl. arc. and determine a true meridian with the solar.

The magnetic bearing of the true meridian at 2410^m p.m. is N 16° 28' W. The angle thus determined reduced by the table page 100 gives the mean mag. decl. 16° 3.2' E. -

Thence we run

N. 0° 1' W. on a random line bet. sect. 1 and 2

Note: The survey of E. bdy. of sec. 1 indicating we shall probably close within the limit, on N. bdy. of Tp. we run this line and also bet. secs. 2 and 3 in the regular way and not according to spec. instructions.)

4000 ft length 1/4 sec. cor.

8042 Intersect N. bdy. of Tp. 22 elev. E. of cor. of secs. 1-2 35 and 36 which is a stone firmly set marked and witnessed as described by the surveyor general. -

Thence we run

S. 0° 15' E. on a true line bet. secs. 1 and 2.

Subdivision of T. 4 S. R. 1 E

chain	Ovov mountainous land
	Descending rocky slope to
10,16	Bottom of gulch 200 ft. below cor. course 5.80° W.
	Ascending
17,50	Top of ridge 175 ft above gulch course N. 60° E. and 5.60° W.
	Descend
36,90	Perpendicular ledge 50 ft. high bears E. and SW.
40,42	Set a granite stone 18 x 10 x 5 in., 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pili impracticable. -
57,10	Perpendicular cliff 40 ft. high course E. and W.
80,42	Thw cor. of secs. 1-2-11 and 12 This cor. stands 1200 ft. below top of ridge Land mountainous Soil rocky and gravelly 4 ft. thick No timber Mountainous land 80,42 chs. -

May 25, 1908

May 26:	we set off 40° 30' N. on the lat. and 21° 8' N. on the decl. and at 7442 m. a.m., 2 m. & determined a true meridian with the solar at the cor. of secs 2-3-10 and 11 which is a stone firmly set marked and witnessed as described by the surveyor general Then we run
40,00	40° 2' W. on a random line bet. secs. 2 and 3 Set limb. 1/4 sec. cor.
80,16	Intersect N. bdy. of Tp. 13 chs. W. of cor. of secs. 2, 3-34 and 35 which is a stone firmly set marked and witnessed as described by the surveyor general Then we run
	5.0° 4' W. on a true line bet. secs. 2 and 3
	Ovov mountainous land
	Descending to
3,00	Ravine drain 5.65° W. 50 ft. deep ascend and cross spur 40 ft. to
7,10	Bottom of ravine 60 ft. deep course 5.70° W. ascend
10,00	Top of spur 40 ft. high course W. descend
13,50	Bottom of gulch 90 ft. deep course W. ascend

Subdivision of T. 4 S. 12. 1 E.

chain	
18,00	Top of spur 60 ft high course N. : descend
21,20	Bottom of ravine 50 ft deep course N. 60° W. ascend
40,16	Set a granite stone 17 x 9 x 6 in. 12 in. in the ground for 1/4 sec cor. marked 40 cor. N. face: raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
41,00	Top of spur 300 ft above ravine course N. 60° W. Descend
62,30	Bottom of gulch 200 ft. below spur course N. 60° W. Ascending
80,16	The cor. of secs. 2 - 3 - 10 and 11 This cor. stands 2 1/2 ft. above gulch Land mountainous Soil gravelly and rocky 3rd and 4th rate Timber, scrubby cedar and mahogany scattering Mountainous land 80,16 chs. --

May 26, 1900

10,00	May 28: At the 1/4 sec. cor. bet. secs. 20 and 21 re-established by us this day and described in Book F: resurvey of this T.P. we set off 40° 27' N. on the lat. arc 21° 30' 30" N. on the decl. arc. and at 2416 m p.m. 2 m & determine a true meridian with the solar. time and run N. 0° 1' W. bet. N. half of secs. 20 and 21 Over mountainous land Descending to Bottom of gulch 170 ft. below cor. course S. E. Wood road runs parallel with gulch Ascend
35,05	Top of ridge bears N. 60° W. and S 60° E 340 ft. above gulch. descend W.
40,00	Set a granite stone 18 x 8 x 7 in. 12 in. in the ground for cor. of secs. 16 - 17 - 20 and 21 marked with 3 notches on S. and 4 notches on E. edges: raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable This cor. stands 70 ft. below top of ridge Land mountainous Soil gravelly and rocky 3rd rate

Subdivisions of T. 4 S 18 1/4 E

chain No timber - rank oak brush undergrowth -
mountainous land 46,000 chs. -

N 89° 57' E. on a random line bet. secs. 16 and 21
40,18 Thw 1/4 sec. cor. reestablished by us May 27, 1900
and described in Book F, surveyors of this Tp. bears
N. 18 deg. due.

Thence we run

S 89° 46' W on a true line bet. secs. 16 and 21

Over mountainous land

On broken N. slope descending to

9,90 Bottom of ravine crossed N. 10° E. 100 ft below cor.
ascending

Thw cor. of secs. 16-17-20 and 21

Thin cor. stands 200 ft. above ravine

Land mountainous

Soil gravelly 3rd rate

No timber. - Dense oak brush undergrowth -

mountainous land 40,18 chs. -

N 0° 1' W. on a random line bet. secs. 16 and 17

4,000 Set length 1/4 sec. cor.

8,000 Intersect E. and W. line 2 1/4 deg. E. of cor. of secs. 8-9
16 and 17 as reestablished by us May 26, 1900 and
described in Book F surveyors of this Tp.

Thence we run

S 0° 10' E on a true line bet. secs. 16 and 17

Over mountainous land

Ascending broken slope

19,00 Top of ridge 200 ft. above cor. course N. 20° W.

Thence on SW slope and gradual ascent

40,00 Set a quartzite stone 17 x 8 x 6 in. 12 in. in
the ground for 1/4 sec. cor. marked 1/4 sec. W.
face: raised a mound of stones 2 ft. base 1 1/2 ft.
high W. of cor. Pile impracticable

A small spring bears N. 26° 45' W. 32,50 chs.

An old cabin bears N. 28° 40' W. 23,00 chs.

This cor. stands in head of gulch course N. 30° W.

56,50 Top of ridge course N. E. and S. W. 500 ft. above cor.; descend

69,10 Bottom of gulch 220 ft. below ridge course N. 65° E.

Subdivision of T. 4 S. R. 1 E.

chain 8,000	Ascend. The cor. of secs. 16-17-20 and 21. This cor. stands 190 ft above gulch. Land mountainous. Soil gravelly and rocky 3rd rate. No timber - Dense oak and maple brush. Mountainous land 8,000 chs.-
	May 28, 1900.
1,00	May 29: At 7 ⁴⁵ a.m., I. m. t. we set off 40° 27' N. on the lat arc 21°37'30" N. on the decl. arc and determine a true meridian with the Solar at the 14 sec. cor. bet. secs. 19 and 20 as reestablished by us May 27, 1900 and fully described in Book F. resurveys of this Tp. Thence we run N. 0° 2' W. bet. N. half of secs 19 and 20
2,00	Over mountainous land ascending to
3,00	Top of spur course W.; descend
26,00	Bottom of gulch 200 ft. below spur course W. Ascending
36,15	Top of spur 130 ft. high course W.: descend
4,000	Set a quartzite stone 18x15x9 in. 12 in in the ground for cor. of secs. 17-18-19 and 20 marked with 3 notches on S. and 5 notches on E. edges raised as mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. This impracticable
	Thin cor. stands in bottom of narrow gulch course W. 90 ft. below spur
	Land mountainous Soil gravelly and rocky 3rd rate No timber. Mountainous land 4,000 chs.-
4,000	S. 89° 5' 8" E. on a random line bet. secs 17 and 20 Set lamp 1/4 sec. cor.
80,14	Intersect N. and S. line at cor. of secs. 16-17-20 and 21 Thence we run N. 89° 5' 8" W. on a true line bet. secs. 17 and 20

Subdivision of T. 4 S. R. 1 E.

chain	Oval mountainous land
	Ascending to
7.50	Top of ridge 80 ft. above cor. course N 60°W and S. 60°E
	Descend
12.00	Head of gulch drain S. 40 ft. deep: ascend
19.40	Top of spur 70 ft. high course S
	Descend gradually on S slope to
25.75	Top of ridge bears N.W. and S.E. in saddle at head of gullies draining S 63° E. and N.W.
	Begin abrupt descent on N.W. slope
40.07	Set a quartzite stone 18 x 7 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.
	Pile impracticable
57.50	Bottom of gulch 400 ft. below ridge course S 60°W
	Ascend
66.50	Top of spur 160 ft. high course S. 30°W.; descend
76.00	Entered bottom of gulch from N.E. turns W.
80.14	The cor. of secs. 17-18-19 and 20
	Thin cor. stands 160 ft. below tip of spur
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land 80.14 chs. -
	S. 89° 5' W on a random line bet. secs. 18 and 19
4000	Set limb 1/4 sec. cor.
8000	Intersect Salt Lake meridian 7 ltrs S of cor. of secs. 13-18-19 and 24 as heretofore described
	Thened road run
	East on a true line bet. secs. 18 and 19
	Oval mountainous land
	Descending
7.40	Bottom of ravine 115 ft. below cor. course S.W.
	Ascend
15.60	Top of spur 90 ft. high course S.W.; descend
20.00	Head of ravine 50 ft. deep course S.W.; ascend
24.50	Top of spur 40 ft. high course S. 35° W.; descend
30.00	Bottom of gulch 130 ft. deep course S.W.
	Ascend
39.50	Top of ridge 125 ft. above gulch course S 25° W.

Subdivision of T. 4 S. 12 E.

chain 4,000	and N 25° E : descend broken slope Set a quartzite stone 18 x 8 x 5 in., 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
4,700	Begin abrupt descent
5,7,83	Bottom of ravine 200 ft. below ridge corresp. S. Ascend to
6,150	Top of spur 40 ft. high corresp. S. : descend
6,4,90	Old wood road corresp. N. and S. in bottom of gulch
6,7,15	Dry wash drains 5 000 ft below top of ridge N. Ascending on side of ravine
8,000	The cor. of secs. 17-18-19 and 20 Thin cor. stands 100 ft. above bottom of gulch Land mountainous Soil gravelly and rocky 3rd rate No timber
	Mountainous land 8,000 chs. -
	May 29: at thin cor. we set off 21° 39' N. on the decl. arc and at 114 57 m. a.m., I mt observed the sun on the meridian: the resulting lat. is 40° 28' N.

	N. 0° 2' W on a random line bet. secs. 17 and 18
4,000	Set cor. 1/4 sec. cor.
7,9,94	Intersection E. and W. line 5 1/2 m. E of cor. of secs. 7- 8-17 and 18 as reestablished by us May 26, 1900 and described in Book F. resurvey of this T/2 Thenew wt run
	5.0° 4' E on a true line bet. secs. 17 and 18
	Over mountainous land
	Ascending abruptly
10,00	Ascent becomes gradual 300 ft above cor.
16,00	Top of ridge bears N 80° E. and S. 80° W.
	Descend
35,00	Bottom of gulch 200 ft below top of ridge corresp. S. 25° W. : thence on W. slope
39,94	Set a quartzite stone 17 x 9 x 7 in., 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. -

Subdivision of T. 4 S. R. 1 E.

chains

- 47.90 Bottom of ravine 75 ft. deep comes N. ascend
over broken S. slope to
76.50 Top of spur N and beginning of abrupt descent
200 ft above ravine
79.94 The cor. of seccts. 17-18-19 and 20
Land mountainous
Soil gravelly and rocky 3rd and 4th rate
no timber
Mountainous land 79.94 chs.-

May 29, 1900

General Description

The portion of this township covered by the present survey is all mountainous land and no part of it is suited for cultivation.-
The soil is a gravelly wash which produces a scant growth of native grasses.-
There is no timber but considerable of the area is covered by a rank growth of brush.
There are no mines nor quarries nor indications of mineral of any kind.-
There is no water within the township excepting a few very small springs.
There are no settlers nor improvements.

Andrew P. Hansen

Henry E. Geiss

U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

_____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 189 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 189____ I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature] *J.W. M.* *United States Deputy Surveyor*

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

000000
SEAL
000000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1901, 189

The foregoing field notes of the survey of *The subdivision lines of Township*
of Salt Lake Range 1 Part of the Salt Lake Board canal
Division Plat

executed by *Cedric Patterson et al., C. C. C.*
under his contract No. *230*, dated *April 10, 1897*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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297

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BOOK A-262

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FIELD NOTES

OF THE SURVEY OF THE

Reservoir Subdivision Lines

6

Township N.E. 4th Section - Range No. 1, East.

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

Andrew P. Johnson and Henry E. Gire, United States Deputy Surveyor,
Under their charge from April 1st to June 1st, 1898
Under his Contract No. 230, dated April 26, 1898, 1898

Re Surrey commenced May 26, 1890.

Re Survey completed..... May 28....., 18900

161

NAMES AND DUTIES OF ASSISTANTS.

L L Elliott - Chairman

Fred Dartnell - Chairman

Fred Sommerer - Mondmans

W W Barton - - Answer

Fred Sommerer - Axman

W W Barton - - Flagman

For preliminary affidavits see Const. C. H. S. R. D.

BOOK A-262

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

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PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman

....., Chainma.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

....., Moundma

....., Moundma.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

....., Axma.

....., Axma

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagma

Subscribed and sworn to before me this }
day of , 189 }



Resurvey of Subdivision lines T. 4 S. R. 1 E.

chains

Survey commenced May 26, 1900 and executed with a W & L. E. Gurley light mountain transit with solar attachment. - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the vernier of the latitude and declination axes. -

The instrument was examined tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 11, 1900. -

Starling examined the adjustments of the instrument and completed a full test of the solar apparatus May 25, 1900 at the commencement of survey of E. bdy. of this Tp. as fully described in Book "D. reference to which is hereby made, and being confident the instrument still remains in good order we consider it unnecessary to repeat the test at this time. -

Note: It being evident from the survey of line making E. bdy of sec 3 and the closing of same that an error exist in the records of older surveys furnished us by the surveyor general and that the bdy. of said sec. 3 will not close within the limit, we consider it necessary to retrace some of said lines and locate the error; therefor

From the cor. of secs. 2-3-10 and 11 as heretofore described (Book D) we run S. 89° 47' W. on a blank line: at 40,00 search was made for the 1/4 sec cor. which was found with markings obliterated; at 80,44 we found the original cor. of secs. 3-4-9 and 10 bearing North 51 deg. dist. being a quartzite stone properly marked but poorly set. !

We reset the same firmly in the ground and raise a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Thence we run, on resurvey line

S. 89° 51' E. bet. secs. 3 and 10

Over mountainous land

On broken slopes, descending to

Recovery, Subdivision of T. H. S. 12.16.

chains

- 16,50 Bottom of gulch 180 ft. below cor. corss N.W.
Ascend
- 35,70 Top of spur 230 ft above gulch corss N.W.; descend
40,54 Set a quartzite stone 10 x 7 x 6 in. 11 in. in the
ground for 14 sec. cor. marked 14 on N. face;
raised as a mound of stones 2 ft. base 1½ ft. high
N. of cor. Pits impracticable
- 58,20 Bottom of gulch 150 ft. deep corss N.W.
Ascend to
- 80,44 Thw cor. of secs. 2-3-10 and 11
This cor. stands on top of spur 250 ft above gulch.
Land Mountainous
Soil gravelly & rd. slate
No timber
Mountainous land 80,44 chs. -

To avoid hunting corners at random we run south
on a blank line from the cor. of secs. 3-4-9 and 10
and at 80.00 chs. find the cor. of secs. 9-10-15
and 16 which is a stone firmly set marked and
witnessed as described by the surveyor general.
From this cor. we run S.10°7'E. on a blank line bet
secs. 15 and 16; at 40.63 a diligent search was made
for the 14 sec. cor. but it could not be found;
at 81.26 diligent search was made for the cor.
of secs. 15-16-21 and 22 but no trace of it could
be found and we therefore continued on a
blank line; South. bet. secs. 21 and 22; at 40.00
search was made for the 14 sec. cor. but no
trace of it could be found; at 80.00 chs. the
cor. of secs. 21-22-27 and 28 was found bearing
S.E. 14.00 chs. being a stone firmly set
marked and witnessed as described by the
surveyor general. Continuing on a blank line
we run N.89°5'4"W. bet. secs. 21 and 28; at 40.13
chs. a diligent search failed to find the 14 sec.
cor.; at 80.22 the cor. of secs. 20-21-28 and 29
bears. S.22 chs. being a stone firmly set marked
and witnessed as described by the surveyor
general. From this cor. we run N. bet. secs. 20

Resurvey, Subdivision of T. 4 S. R. 1 E.

chain and 21 but failed to find any 1/4 sec. cor. at 40,000 chs. and return to cor. of secs. 20-21-28 and 29 from which we run a blank line N. 89° 40' W. bet. secs. 20 and 29; at 40,28 chs. search failed to find any trace of the 1/4 sec. cor.; at 80,000 over the cor. of secs. 19-20-29 and 30 bears. N. 52' E. being a stone properly marked but poorly set and from which we run N. bet. secs. 19 and 20 but failed to find any trace of the 1/4 sec. cor. at 40,000 chs.
From cor. of secs. 19-20-29 and 30 we run N. 89° 53' W. on a blank line bet. secs. 19 and 30; at 40,08 chs. no trace of the 1/4 sec. cor. could be found; at 80,15 the cor. of secs. 19-24-25 and 30 on W. side of Tp. bears S. 24' E. and we therefor made the following resurveys. -

May 26, 1908

May 27: at 8⁴³ m a.m., 1 m T, at the cor. of secs. 19-24-25 and 30 on the Salt Lake Meridian as heretofore described we set off 40° 27' N. on the lat. arc. 21° 18' 30" N. on the decl. arc and determine a true meridian with the solar and compare the same with the true meridian establish at this place by Polaris observation May 17, 1908 at the commencement of resurvey of Tp 4 S. R. 1 W. and fully described in Book A. -

The solar apparatus gives the same meridian as at that time and we therefor conclude the adjustments are satisfactory. -

Then we run our resurvey line.

N. 89° 57' E. bet. secs. 19 and 30

Over mountainous land

3,000 Begin descent

18,45 Bottom of gulch and dry wash course S 20° W.
160 ft below cor.

20,75 Wood road bears parallel with gulch
Ascending

40,15 Set a sandstone 17 x 7 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face

Resurvey, Subdivision of T. 4 S. R. 1 E.

chains raised a mound of stones 2 ft. base 15 ft. high
N. of cor. Pitt impracticable
Over rolling slope to
6,500 Top of ridge bears N 60° E and S 60° W, 3,000 ft. above wash
Then on S. slope to
- 80.15 The cor. of secs. 19-20-29 and 30 as heretofore
described which we reset firmly in the ground
and raised a mound of stones 2 ft. base 15 ft.
high N. of cor. Pitt impracticable
Land mountainous
soil gravelly wash 3rd rate
No timber.— oak brush undergrowth—
mountainous land 80.15 chs.

North bet. secs. 19 and 20
Over mountainous land
Ascending
5,700 Top of ridge 60 ft. above cor. course N 60° E and
S. 60° W.
Descend
2,150 Bottom of ravine 150 ft. deep course W.: ascend
2,825 Top of spur 100 ft. high course W.: descend
3,0,50 Bottom of ravine 60 ft. deep course W.: ascend
4,000 Set a quartzite stone 17x10x7 in., 11 in. in
the ground for 1/4 sec. cor. marked 1/4 on W.
face: raised a mound of stones 2 ft. base 1 1/2
ft. high N. of cor. Pitt impracticable
This is the end of old survey and resurvey line
Land mountainous
soil gravelly and rocky 3rd rate
No timber;
mountainous land 4,000 chs.-

From cor. of secs. 19-20-29 and 30 we run
589.5' E bet. secs. 20 and 29
Over mountainous land
Descending rolling slope
2,0,10 Bottom of gully 250 ft. below cor. course S. 15° W.
Ascend
4,0,50 Set a quartzite stone 17x8x6 in., 12 in. in
the ground for 1/4 sec. cor. marked 1/4 on N. face

Resurvey. Subdivision of T 4 S 17 E

chains	raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pili impracticable
59.50	Top of spur 300 ft. above gulch course S. Descending to
71.00	Bottom of ravine 180 ft deep course S. Ascend bottom slope
8,000.	The cor. of secs. 20-21-28 and 29 as heretofore described Land mountainous Soil gravelly and rocky 3rd rate No timber Mountainous land 8,000 chs. -
34.25	North bet. secs. 20 and 21 Over mountainous land Ascending steep slope Top of ridge 430 ft above cor. course N.W. and S.E. : descend
4,000	Set a quartzite stone 18x10x5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pili impracticable Thin cor. stands 100 ft. below ridge and in the end of old survey, and resurvey lines Land mountainous Soil gravelly and rocky 3rd rate No timber Mountainous land 4,000 chs. -
2,50	From cor. of secs. 20-21-28 and 29 no run N. 89° 57' E. bet. secs. 21 and 28 Over mountainous land Ascending to
14,60	Top of spur S. : descend Bottom of ravine 150 ft. deep drains S.
38.50	Ascend to Top of spur 275 ft. above ravine course S.E. Descend
40.11	Set a quartzite stone 16x9x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½

Resurvey, Subdivision of T. 4 S. R. 1 E.

chain	ft. high N. of cor. Pili impracticable May 27: at this $\frac{1}{4}$ sec. cor. no set off 40° 27' N. northerly board 21° 20' N. on the decl. arc and at 114 57 m A.M., P.M.T. observed the sun on the meridian the resulting lat. is 40° 27' N. -
66.30	Bottom of gulch and dry wash 375 ft. below spur course S. 10° E. Wood road runs parallel with gulch
	Ascending
80.22	The cor. of secs. 21-22-27 and 28 as heretofore described
	Land mountainous Soil gravelly and rocky 3rd rate No timber
	Mountainous land 80.22 chs. -
	N. 0° 6' W. bet. recs. 21 and 22
	Over mountainous land
	Ascending
18.20	Top of spur 200 ft. high course S. 30° E.
	Descend
30.50	Bottom of gulch 120 ft. deep course S. E.
	Ascend
40.00	A diligent search failed to locate any trace of the original $\frac{1}{4}$ sec cor.: hence Set a quartzite stone 17x8x5 in. 18 in. in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N. face: raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft high N. of cor. Pili impracticable
51.00	Top of ridge 280 ft above gulch course E. and W. Descend
59.80	Bottom of gulch 90 ft. deep course S. 80° E.
	Ascend to
80.00	A careful search failed to locate the original cor. of recs. 15-16-21 and 22 hence Set a quartzite stone 17x7x5 in. 11 in. in the ground for cor. of recs. 15-16-21 and 22 marked T. 4 S. on N. E. and R. 1 E. on S. E. faces with 3 notches on S. and E. edges: raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pili impracticable This cor. stands 230 ft. above gulch

Survey, Subdivision of T. 4 S.P. 1 E.

chain	Land mountainous Soil gravelly and rocky 3rd rate No timber - oak brush undergrowth Mountainous land 8,000 ch.
	N. 0° 6' N. bet. sec. 15 and 16. Over mountainous land Ascending.
1200	Top of ridge 140 ft. above cor. course E. and W. Descend
3160	Bottom of gulch 230 ft. deep course E. ascend set a quartzite stone 16 x 8 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Site impracticable
4000	Thin cor. stands on top of spur S. E. 100 ft above gulch: descend
5400	Bottom of ravine 110 ft. deep course S. E. Ascend
6800	Top of ridge and watershed bet. Salt Lake and Utah Valley course N. 65° E. and S. 65° W. Descend
8000	The cor. of secs. 9-10-15 and 16 as heretofore described. Thin cor. stands 140 ft. below top of ridge Land mountainous Soil gravelly and rocky 3rd rate No timber Mountainous land 8,000 ch.

(May 27, 1900)

May 28: at 7:30 a.m., 7 m.t. we set off 40°
29' N. on the lat. arc 21° 28' N. on the decl.
arc and determine a true meridian with the
solar at the cor. of secs. 9-10-13 and 16 as
heretofore described; thence we run west on
a blank line bet. secs. 9 and 16: at 40,000 we search
for the 1/4 sec. cor. and at 80,000 for the cor. of
secs. 8-9-16 and 17, but neither could be found
and we therefore continue our blank line west
searching for corners at each 4,000 ch. till

Resurvey, Subdivision of T 45 R 1 E

chains	found no trace of any until at .2 miles 79.34 chain we intersect the Salt Lake Meridian at 49° 16' N. of the cr. of secs. 7-12-13 and 18. as heretofore described. - The falling answer to a variation of a° 7.1 or 1.6 deg per mile, therefore we run $N. 89^{\circ} 53' E$ bet. secs. 7 and 18 on resurvey line Over mountainous land
	Ascending gradually
13.00	Foot of steep slope bears N.E. and S.W. ascend
28.50	Top of slope; enter narrow bench crossed N.E. and S.W.
39.89	Set a quartzite stone 16 x 9 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on it, face raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
49.00	Begin abrupt ascent crossed N.E. and S.W.
79.78	^{Proportionate distance} Set a quartzite stone 16 x 8 x 6 in. 15 in. in the ground for cor. of secs. 7-8-17 and 18 marked with 5 notches on E. and 4 on W. on S edges; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. - Pili impracticable This cor. stands 830 ft. above the cor. of secs. 7-12-13 and 18
	Land mountainous
	Soil gravelly and rocky 3rd and 4th strata no timber
	Mountainous land 79.78 chs. -
	$N. 89^{\circ} 53' E$. bet. secs. 8 and 17
	Over mountainous land
	Ascending on steep S.W. slope
2.90	Top of spur running N.E. from main ridge 150 ft above cor. descend broken slope
27.50	Bottom of gulch 300 ft deep Corres N. 13° E. Ascend
39.89	Set a quartzite stone 18 x 7 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor. Pili impracticable
40.00	^{Top of spur 100 ft high, corred 1/4}
48.00	Bottom of gulch 200 ft below spur corres N. 10° W. Ascend
79.78	^{Proportionate distance} Set a quartzite stone

Resurvey, Subdivision of T. 4 S. R. 1 E.

charms 17x6x6 in. 11 in. in the ground for cir. of secs. 8-9-16
and 17 marked with 4 matches on S. and E. edges raised
as mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.-

This cor. stands 200 ft above bottom of gulch.

Land mountainous.

Soil gravelly and rocky 3rd rate

No timber

Mountainous land 79.78 chs.-

May 28: At this cor. we set off 21° 29' 30" N. on
the decl. arc and at 11 $\frac{1}{4}$ 57" A. M., 1. m. t. observed
this run on the meridian; the resulting lat.
is 40° 29' N.

N 89° 53' E bet. secs. 9 and 16

Odd mountainous land

Descending

Top of spur bears N 20° E and S 20° W 40 ft. above
cor.

Begin almost descent to

Bottom of gulch and dry wash 190 ft. deep cor.
N. 40° W.

Ascend

Top of spur 220 ft. high cor. N 10° W

Descend broken slope

Set a quartzite stone 16x8x7 in. 11 in. in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
raised as mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high
N. of cor. Pits impracticable

Bottom of ravine 175 ft below spur, cor. N. 15° E.

Ascend to

The cor. of secs. 9-10-15 and 16

This cor. stands 250 ft. above ravine

Land mountainous

Soil gravelly and rocky 3rd rate

No timber

Mountainous land 79.78 chs.-

From the cor. of secs. 15-16-21 and 22 and heretofore
described we run

Surveying Subdivisions of T. 4 S. R. 1 E

chain. West bet. sec. 16 and 21
Over mountainous land
Ascending broken slope
2552 Top of ridge bears. N.E. and S.W. 330 ft above cor.
Descent
4007 No trace of the original 1/4 sec. could be found
But a quartzite stone 17 x 8 x 5 in., 12 in. in
the ground for 1/4 sec. cor. marked 1/4 on N.
face; raised a mound of stones 2 ft. base 1 $\frac{1}{2}$
ft. high N. of cor. Pits impractical --
Land Mountainous
Soil gravelly and rocky 3rd rate
No timber
Mountainous land 40.00 chs. --

May 28, 1900

General Description

For general description see subdivision survey
of this T. & R. Book E. --

Andrew P. Sawyer
Henry E. Diers
U.S. Geodetic Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____,

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____,

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____,

United States Deputy Surveyor, in surveying all those parts or portions of the _____,

of the _____,

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____,

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____,

day of _____, 189 _____,



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor, do

I, *[Signature]*, solemnly swear that, in pursuance of a contract received from the United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the

meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of such survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the official field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature]
United States Deputy Surveyor,

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

[Signature] *Washington, D.C., May 25, 1901.*

The foregoing field notes of the survey of *the selected areas in Section 16, Township 16, Range 16, East of the Chillicothe and Waukon River, Iowa*, executed by *John H. Palmer*, dated *April 22, 1897*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]
Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General